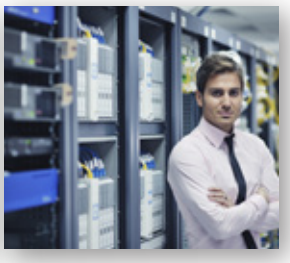
AXIOMTEK

Network Appliance

2015



www.axiomtek.com

Your Best Partner of Network Appliances

About Axiomtek

Innovations for the Embedded World

For 25 years, Axiomtek has been a leading design and manufacturing company in the industrial computers and embedded systems industry. Since its beginning, Axiomtek has successfully gained worldwide recognition for innovative designs and outstanding customer satisfaction. As a valuable and reliable industrial manufacturer, Axiomtek is devoted to producing state-of-the-art solutions for its customers. We take pride and ownership in what we do and strive for excellence.

Mission

Designs and manufactures embedded solutions for mission critical applications allowing our customers to bring superior products to their vertical markets.

Value

Passion: We are passionate about our vision, our goals and our commitment to serve our employees and customers.

Integrity: We earn our trust through honest and ethical business practice.

Innovation: Our focus is on developing new products using the most advanced technologies and customer-based experiences.

Partnership: We commit to long-term mutual success with customers, employees and shareholders.

Leadership: Our goal is always to be the leader in our targeted markets.

Diversity: We strive to diversify our products and services to serve specific industry needs.

Prompt Worldwide Service

Axiomtek maintains a global network of international subsidiaries and distributors representing the Axiomtek brand in more than 60 countries. To maximize efficiency, Axiomtek employs an international service network that provides worldwide technical and sales support. Our 21 offices are located across Taiwan, America, Europe and China to ensure prompt service to our customers.

Time-to-Market

Axiomtek offers a wide range of customizable industrial chassis, form factors, and peripherals, which can shorten the time-to-market of any DMS project.

Reliable Quality Control

We maintain strict quality standards in our manufacturing processes, and ensure all products go through rigorous quality checks throughout every stage of production. Tests include failure mode and effects analysis, temperature/humidity test, vibration test, burn-in chambers, drop test, AC power source test, and smartbit heavy loading test.

Design and Manufacturing Services (DMS)

Axiomtek provides high-quality and fast DMS to our customers. We have the experience, capability, and R&D resources to make any DMS project a success! We are an extremely versatile turnkey manufacturer with the ability to turn your concepts and ideas into real network solutions. Customers can enjoy innovation and fast time-to-market through Axiomtek's professional engineering services. Our DMS offers product customization from custom bezels and logos to design and manufacturing of new CPU boards and systems based on your specifications.

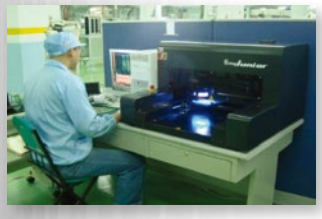
Level 1
Level 2
Level 3
Level 4
Re-branding
We can re-brand your company logo on the front bezel or packing cartons
Customized Build
Customers can change the number of LAN ports, chassis color, and BIOS setting
Manufacturing Service
Service scope includes system assembly and burn-in, and software loading and test
New Project
CPU board and system design based on customer's specific requirements

ODM Scheduling for Network Security Appliances

Re-labeling Scheduling for Network Security Appliances

Manufacturing Capacity

Over 15,000 square meters of factory space, along with the latest manufacturing equipment gives us the capacity to fully service OEM/ODM business and achieve high quality on time deliveries with a low cost. We have the most advanced SMT assembly lines and optical inspection systems utilizing the lead-free technology. Our factory is engaged in manufacturing high density single-sided, double-sided, and multi-layer boards (up to 12 layers). Our manufacturing facilities are ISO-9001, ISO-14001, ISO-13485 and UL certified.



Total Network Solutions

Axiomtek is a leading network appliance platform provider, which offers standard and customized solutions for software partners and network product providers. Our all-in-one network appliance platforms give customers the competitive edge they need to stand out in their respective markets, whether it be network security using firewall, virtual private network (VPN), intrusion detection/prevention, content security with antivirus and anti-spam, or network access control (NAC) content management systems.

Advantages

- Stable and reliable performance in hardware solutions
- Multiple LAN ports with high throughput networking bandwidth
- Powerful core logic computing capability
- Built-in security co-processor
- User-friendly management interface
- Critical environment/specification support
- Customized service for tailor-made solutions

Full Range of Product Coverage

Performance
2U Rackmount

	4-port	6-port	8-port	10-port	12-port	16-port	over 20-port
NA850	√	√	√	√	√	√	√
NA-551	√	√	√	√	√	√	√

Mainstream
1U Rackmount

	4-port	6-port	8-port	10-port	12-port	16-port	over 20-port
NA570/NA570L	√	√	√	√	√	√	√
NA552	√	√	√	√	√	√	√
NA-550	√	√	√	√	√	√	√
NA-560H	√	√	√	√			
NA-560/NA-560L	√	√	√				
NA-360	√	√	√	√	√	√	
NA361R	√	√	√	√	√		
NA-320R	√	√					

Value/Entry
1U Desktop

	4-port	6-port	8-port	10-port	12-port	16-port	over 20-port
NA361/NA361FL	√	√					
NA342	√	√					
NA341	√						
NA-340/NA-340FL	√	√					
NA-320/NA-320FL	√	√					
NA150		√					
NA-110	√						
NA100	√						

Features of Axiomtek Network Appliance

LAN Bypass

Bypass functions are implemented through the hardware by using watchdog timers. If the software fails to reset the watch dog timer, it interconnects the LAN ports by bypassing software functions running on the device. The interruption of network connectivity could cause a tremendous loss in business. Therefore, a method for out-of-band communication should be considered as a backup solution. Such out-of-band communications are enabled through a solution known as "LAN bypass." Axiomtek offers network appliance platforms with LAN bypass features by using "latch relay" and commands through a CPLD.

Intel-based NIC Modules

Connectivity is crucial for networking. Axiomtek has developed a series of NIC modules and offered a wide range of Intel-based solutions. This enables flexibility for all of Axiomtek's network appliances. From copper to fiber, LAN bypass, 10G Base-T and 10G SFP+, Axiomtek has not only ensured multiple options in connectivity but has also met the demands of performance and bandwidth for networking.

Redundant Power Supplies

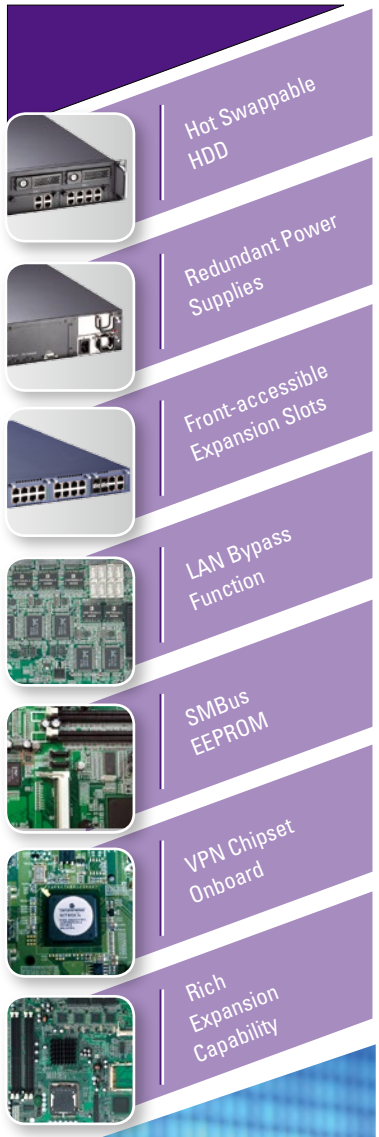
In order to provide seamless services, performance appliances need reliable power sources. Many of Axiomtek's NA products include redundant power supplies offering high level of stability, allowing the network appliance to run, 24/7, without interruption.

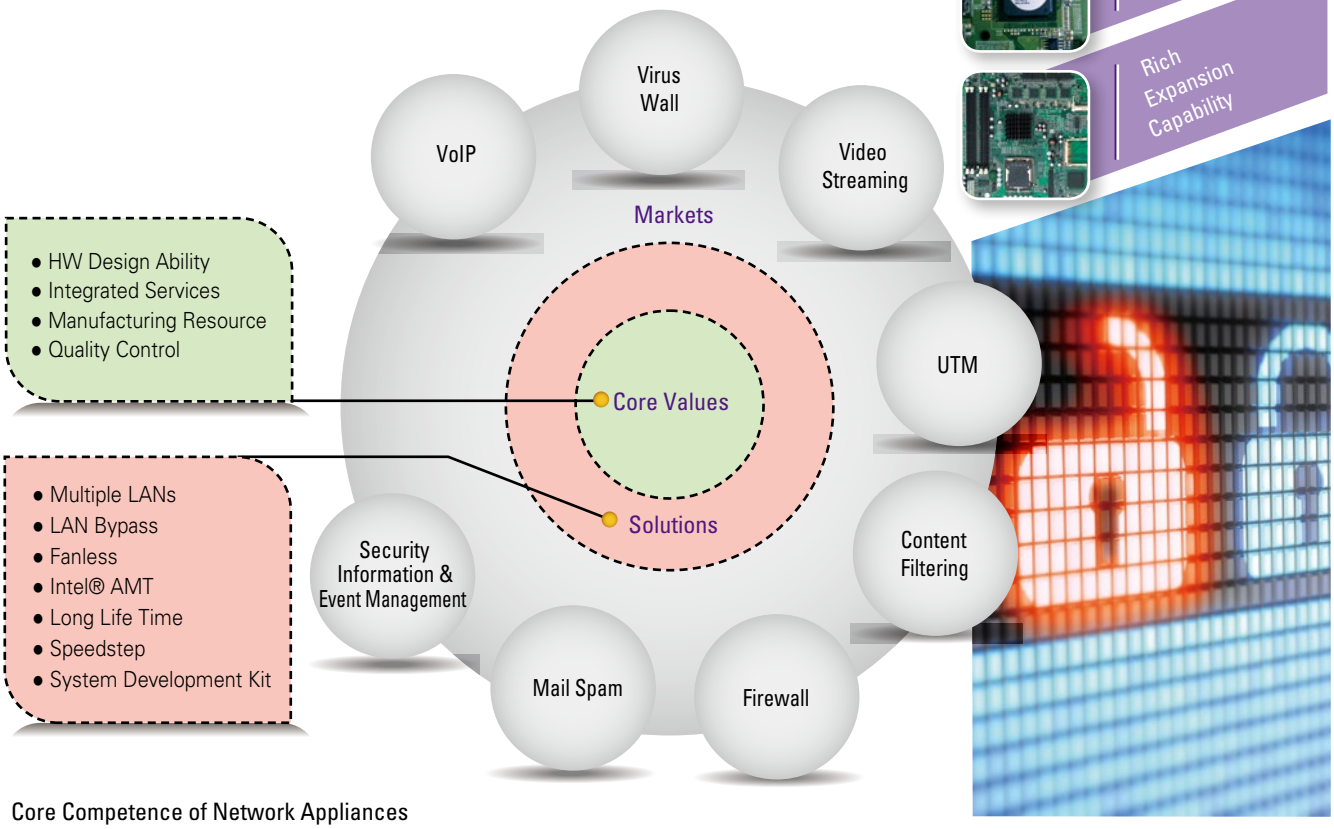
LAN Module Design

Axiomtek's network appliances support LAN module designs for greater flexibility and easier maintenance, and allows for high density ports in a 1U form factor to obtain the best cost of ownership.

Expansion Capability

The network appliance platforms support different types of expansion slots (PCI Express Mini Card, MiniPCI, PCI, PCI-X, and PCIe) for applications needing various peripheral cards; such as VPN encryption module, wireless module or other specify adapter cards.





Core Competence of Network Appliances

New Product Highlights

NA850

2U Rackmount Network Appliance Platform with LGA2011 Intel® Xeon® E5-2600 v3 Processor, Intel® C610 Chipset and up to 42 LANs

Features

- LGA2011 socket-R3 Intel® Xeon® E5-2600 v3 processors
- Sixteen DDR4-2133/1866/1600/1333 DIMM sockets support up to 128 GB RDIMM, ECC UDIMM non-ECC/ECC memory
- Supports five expandable LAN module slots with max. up to 42 LAN ports
- Supports 2U redundant power supply
- Supports BIOS redirected to COM port

NA570

1U Rackmount Network Appliance Platform with LGA1150 Intel® Xeon® E3/Core™ Processor and up to 24 LANs

Features

- 4th generation Intel® Xeon® E3/Core™ processors (Haswell)
- Supports Intel® AES New Instruction (AES-NI) enhancements (NA570 only), hardware-based acceleration to encrypt and decrypt data
- Supports eight 10/100/1000Mbps ports in default, two expandable LAN modules with up to 24 LANs
- Supports 32GB DDR3-1600 non-ECC/ECC memory only NA570
- Supports two 2.5" SATA HDD or one 3.5" SATA HDD (optional)
- ATX power supply in default, 1U redundant power supply by optional

NA361R

1U Rackmount Network Appliance Platform with Intel® Atom™ Rangeley Processor and up to 14 LANs

Features

- Intel® Atom™ processor C2558/C2758 up to 2.4 GHz with 4M L2 cache
- Supports six 10/100/1000 Ethernet ports (Intel® i354 & i210)
- Supports BIOS redirected to COM port
- Supports two 2.5" SATA3 HDD
- Supports Intel® Quick Assist Technology (QAT)
- Supports Intel® DPDK enabling software

NA361

Compact Network Appliance Platform with Intel® Atom™ Rangeley Processor and up to 6 LANs

Features

- Intel® Atom™ processor C2358 1.7 GHz
- Supports six 10/100/1000 Ethernet ports (Intel® i354 & i210)
- Supports BIOS redirected to COM port feature
- Supports one 2.5" SATA3 HDD
- Supports SIM socket for 3G (optional)
- Supports Intel® Quick Assist Technology (QAT)
- Supports Intel® DPDK enabling software

NA342

Desktop Network Appliance Platform with Intel® Celeron® Processor J1900 and 4 LANs

Features

- Low power quad-core Intel® Celeron® processor J1900
- Supports four 10/100/1000Mbps Ethernet ports (Intel® i211)
- Supports BIOS redirected to COM port
- Supports one 2.5" SATA HDD
- Supports wireless (optional)

NA150

Fanless RISC-based Network Appliance Platform with Marvell® ARMADA™ 370, 2 Gigabit LAN Ports and 4 Gigabit Switch Ports

Features

- Marvell® ARMADA™ 370 SoC
- Onboard DDR3L up to 1GB Memory
- Supports two 10/100/1000Mbps Ethernet ports and four 10/100/1000Mbps switch ports
- Supports one 2.5" SATA2 HDD (optional)
- Supports wireless 4G LTE through PCI Express Mini Card (optional)
- One pair LAN bypass and one PoE function for optional

2U Rackmount Network Appliances

Features \ Models		NA850	NA-551
Form Factor		2U, 19" Rackmount	2U, 19" Rackmount
Processor		LGA2011 Intel® Xeon® E5-2600 v3	LGA1155 Intel® Xeon® E3/ Core™ i7/i5/i3
Chipset		Intel® C610	Intel® C216
BIOS		AMI 64Mbit PnP Flash	AMI 64Mbit PnP Flash
Memory	**Technology**	DDR4-1866/2133	DDR3-1333
	Max Capacity	Up to 128 GB non-ECC/ECC	Up to 32 GB non-ECC/ECC
	Socket	16 x 288P DIMM	4 x 240P DIMM
Network Interface	**Ethernet (default)**	2 x 10/100/1000Mbps	14 x 10/100/1000Mbps
	Ethernet (max.)	42 x 10/100/1000Mbps	26 x 10/100/1000Mbps
	LAN Bypass	Depend on LAN module	Depend on LAN module
	LAN Module	5 NIC slots	3 NIC slots
Storage	**HDD**	2 x 3.5" HDD (hot swappable)	2 x 3.5" HDD (hot swappable)
	CompactFlash™ / CFast™	1 x CompactFlash™	1 x CFast™
I/O	**USB**	2 x USB 3.0	2 x USB 2.0
	Console	1 x RJ-45	1 x RJ-45
Power Supply		2U 650W Redundant	300W Redundant
Console Redirection		Yes	Yes
Expansion		2 x PCIe x16	1 x MiniPCI
VGA		Yes	Yes
Operating Temperature		0°C ~ +40°C (32°F ~ 104°F)	0°C ~ +40°C (32°F ~ 104°F)
LCD Module		Yes	Yes
OS Support		Linux Kernel	Linux Kernel
Dimensions (H x W x D)		88 x 430 x 550 mm (3.46" x 16.93" x 21.65")	88 x 430 x 500 mm (3.46" x 16.93" x 19.68")
Certificates		CE/FCC	CE/FCC

1U Rackmount Network Appliances

Features \ Models		NA570/NA570L	NA552	NA-550
Form Factor		1U, 19" Rackmount	1U, 19" Rackmount	1U, 19" Rackmount
Processor		LGA1150 Intel® Xeon®/ Core™ i7/i5/i3	LGA1155 Intel® Xeon®/ Core™ i7/i5/i3	LGA1155 Intel® Xeon®/ Core™ i7/i5/i3
Chipset		Intel® C226/H81	Intel® C216	Intel® C216
BIOS		AMI 64Mbits PnP Flash	AMI 64 Mbit PnP Flash	AMI 64 Mbit PnP Flash
Memory	**Technology**	DDR3-1333	DDR3-1333	DDR3-1333
	Max Capacity	Up to 32 GB non-ECC/ECC	Up to 32 GB non-ECC/ECC	Up to 32 GB non-ECC/ECC
	Socket	4 x 240P DIMM/ 2 x 240P DIMM	4 x 240P DIMM	4 x 240P DIMM
Network Interface	**Ethernet (default)**	8 x 10/100/1000Mbps	18 x 10/100/1000Mbps	14 x 10/100/1000Mbps
	Ethernet (max.)	24 x 10/100/1000Mbps	26 x 10/100/1000Mbps	26 x 10/100/1000Mbps
	LAN Bypass	2 pairs, max. up to 12 pairs	Depend on LAN module	Depend on LAN module
	LAN Module	2 NIC slots	3 NIC slots	3 NIC slots
Storage	**HDD**	2 x 2.5" HDD or 1 x 3.5" HDD (optional)	2 x 2.5" HDD or 1 x 3.5" HDD (optional)	1 x 2.5" HDD
	CompactFlash™ / CFast™	1 x CompactFlash™	1 x CFast™	1 x CFast™
I/O	**USB**	2 x USB 3.0	2 x USB 2.0	2 x USB 2.0
	Console	1 x RJ-45	1 x RJ-45	1 x RJ-45
Power Supply		270W ATX 1U Redundant (optional)	270W ATX 1U Redundant (optional)	300W ATX
Console Redirection		Yes	Yes	Yes
Expansion		1 x PCIe x8 (optional) (NA570 only)	1 x MiniPCI	1 x MiniPCI 1 x PCI
VGA		Pin header	Pin header	Pin header
Operating Temperature		0°C ~ +40°C (32°F ~ 104°F)	0°C ~ +40°C (32°F ~ 104°F)	0°C ~ +40°C (32°F ~ 104°F)
LCD Module		Yes	Yes	N/A
OS Support		Linux Kernel	Linux Kernel	Linux Kernel
Dimensions (H x W x D)		44 x 430 x 450 mm (NA570) (1.73" x 16.93" x 17.72") 44 x 430 x 392 mm (NA570L) (1.73" x 16.93" x 15.43")	44 x 430 x 500 mm (1.73" x 16.93" x 19.68")	44 x 430 x 523 mm (1.73" x 16.93" x 20.59")
Certificates		CE/FCC	CE/FCC	CE/FCC

* All specifications and photos are subject to change without notice.

1U Rackmount Network Appliances

Features \ Models		NA-560/560L	NA-560H	NA361R
Form Factor		1U, 19" Rackmount	1U, 19" Rackmount	1U, 19" Rackmount
Processor		LGA1155 Intel® Core™ i7/i5/i3	LGA1155 Intel® Xeon®/ Core™ i7/i5/i3	Intel® Atom™ C2558 2.4 GHz/ C2758 2.4 GHz
Chipset		Intel® H61/B65	Intel® C216	SoC Integrated
BIOS		AMI 64Mbits PnP Flash	AMI 64Mbits PnP Flash	AMI 64Mbit PnP Flash
Memory	**Technology**	DDR3-1333	DDR3-1333	DDR3-1600
	Max Capacity	Up to 32 GB non-ECC	Up to 32 GB non-ECC/ECC	Up to 16 GB non-ECC/ECC
	Socket	4 x 240P DIMM	4 x 240P DIMM	2 x 240P DIMM
Network Interface	**Ethernet (default)**	6 x 10/100/1000Mbps (H61 PCH) 8 x 10/100/1000Mbps (B65 PCH)	10 x 10/100/1000Mbps (8 Copper + 2 Fiber)	6 x 10/100/1000Mbps
	Ethernet (max.)	N/A	N/A	14 x 10/100/1000Mbps
	LAN Bypass	2 pairs	2 pairs	2 pairs
	LAN Module	N/A	N/A	1 NIC slot
Storage	**HDD**	2 x 2.5" HDD or 1 x 3.5" HDD (optional)	2 x 2.5" HDD or 1 x 3.5" HDD (optional)	2 x 2.5" HDD or 1 x 3.5" HDD (optional)
	CompactFlash™ / CFast™	1 x CompactFlash™	1 x CompactFlash™	1 x CompactFlash™
I/O	**USB**	2 x USB 2.0	2 x USB 2.0	2 x USB 2.0
	Console	1 x RJ-45	1 x RJ-45	1 x RJ-45
Power Supply		270W ATX	270W ATX	84W Open Frame
Console Redirection		Yes	Yes	Yes
Expansion		1 x MiniPCI	1 x MiniPCI 1 x PCIe x8	1 x PCIe Mini Card (USB signal)
VGA		Pin header	Pin header	N/A
Operating Temperature		0°C ~ +40°C (32°F ~ 104°F)	0°C ~ +40°C (32°F ~ 104°F)	0°C ~ +40°C (32°F ~ 104°F)
LCD Module		Yes	Yes	N/A
OS Support		Linux Kernel	Linux Kernel	Linux Kernel
Dimensions (H x W x D)		44 x 430 x 392 mm (1.73" x 16.93" x 15.43")	44 x 430 x 392 mm (1.73" x 16.93" x 15.43")	44 x 430 x 250 mm (1.73"x 16.93"x 9.54")
Certificates		CE/FCC	CE/FCC	CE/FCC

Features \ Models		NA-360	NA-330	NA-320R
Form Factor		1U, 19" Rackmount	1U, 19" Rackmount	1U, 19" Rackmount
Processor		Intel® Celeron® 725C 1.3 GHz/ Intel® Pentium® B915C 1.5 GHz	Intel® Atom™ D525 1.8 GHz	Intel® Atom™ D510 1.66 GHz
Chipset		Intel® DH8903CC	Intel® ICH8-M	Intel® ICH8-M
BIOS		AMI 64Mbit PnP Flash	AMI 8Mbit PnP Flash	AMI 16Mbit PnP Flash
Memory	**Technology**	DDR3-1333	DDR3-800	DDR2-667
	Max Capacity	Up to 16 GB non-ECC/ECC	Up to 4 GB non-ECC	Up to 2 GB non-ECC
	Socket	2 x 240P DIMM	1 x 204P SO-DIMM	1 x 200P SO-DIMM
Network Interface	**Ethernet (default)**	8 x 10/100/1000Mbps	10 x 10/100/1000Mbps	6 x 10/100/1000Mbps
	Ethernet (max.)	16 x 10/100/1000Mbps	N/A	N/A
	LAN Bypass	Default 2 pairs, max. up to 8 pairs	2 pairs	1 pair (optional)
	Controllers	N/A	Intel® 82572EI, 82583V, 82541PI	Intel® 82583V
	LAN Module	1 NIC slot	N/A	N/A
Storage	**HDD**	2 x 2.5" HDD or 1 x 3.5" HDD (optional)	2 x 2.5" HDD or 1 x 3.5" HDD (optional)	2 x 2.5" HDD or 1 x 3.5" HDD (optional)
	CompactFlash™ / CFast™	1 x CompactFlash™	1 x CompactFlash™	1 x CompactFlash™
I/O	**USB**	2 x USB 2.0	2 x USB 2.0	2 x USB 2.0
	Console	1 x RJ-45	1 x RJ-45	1 x RJ-45
Power Supply		270W ATX	84W Open Frame	84W Open Frame
Console Redirection		Yes	Yes	Yes
Expansion		MiniPCIe VGA module (optional)	1 x PCIe Mini Card	1 x PCIe Mini Card
VGA		N/A	Pin header	Pin header
Temperature		0°C ~ +40°C (32°F ~ 104°F)	0°C ~ +40°C (32°F ~ 104°F)	0°C ~ +40°C (32°F ~ 104°F)
LCD Module		Yes	N/A	N/A
OS Support		Linux Kernel	Linux Kernel	Linux Kernel
Dimensions (H x W x D)		44 x 430 x 392 mm (1.73" x 16.93" x 15.43")	44 x 430 x 255 mm (1.73" x 16.93" x 10.03")	44 x 430 x 248 mm (1.73" x 16.93" x 9.76")
Certificates		CE/FCC	CE/FCC	CE/FCC

* All specifications and photos are subject to change without notice.

NA850

2U Rackmount Network Appliance Platform with Dual LGA2011 Intel® Xeon® E5-2600 v3 Family Processors, Intel® C610 and up to 42 LANs

NEW

▲ Front view

▲ Rear view

Specifications

System	
CPU	Dual LGA2011 Intel® Xeon® E5-2600 v3 family processors
Chipset	Intel® C610
Memory	16 x DDR4-2133/1866/1600/1333 DIMM socket max. up to 128 GB
BIOS	AMI 64Mbits PnP Flash with function of BIOS redirected to COM port
HDD Interface	2 x 3.5" SATA HDD swappable
Network Interface	2 x 10/100/1000 Mbps (Intel® i210AT) Expandable up to 42 LAN ports via 5 expendable LAN modules
SSD	1 x Compact Flash™, 1 x CFast™ (optional)
I/O Interface	1 x console RJ-type connector, 2 x USB connector, 2 x RJ-45 connector, 1 x VGA connector
Watchdog Timer	255 stepping for system reset 8 stepping for LAN bypass
USB	2 x USB 3.0 port on front side, rest are internal pin headers
Expansion slot	2 x PCIe x16
Other Features	LAN bypass function through software program
Power Supply	2U redundant power supply
OS Compatibility	Linux Redhat Kernel
Mechanical/ Environmental	
Form Factor	2U
LED	Power, HDD, Link/Act with transfer rate, GPIO
Operating Temp.	0°C ~ +40°C (32°F ~ 104°F)
Storage Temp.	-20°C ~ +70°C (-4°F ~ +158°F)
Humidity	10% ~ 95% RH, non-condensing
Chassis Material	Steel
Dimensions	88 mm (3.46") (H) x 430 mm (16.92") (W) x 550 mm (21.65") (D)
Weight (net/gross)	8.32 kg (18.34 lb)/12.76 kg (28.13 lb)
Certification	FCC/ CE

Introduction

The NA850 is a 2U rackmountable network security hardware platform. It has built-in dual Socket-R3 Intel® Xeon® E5-2600 v3 family (codename Haswell-EP) with Intel® C610 chipset. It supports 16 slots of DDR4 RDIMM/UDIMM and ECC memory up to 128 GB. The NA850 can be fitted with up to 5 Ethernet modules, total up to 42 PCIe Generation 3.0 GbE LAN ports. Two hot swappable 3.5" HDD bays with SATA or SAS interface are available, and two PCIe x16 standard expansion slots are for optional network security cards. The NA850 also supports the Intel® DPDK, a set of software libraries that can improve packet processing performance by up to ten times. It could achieve over 80 Mpps throughput on a single Intel® Xeon® processor and double with a dual-processor configuration.

Ordering Information

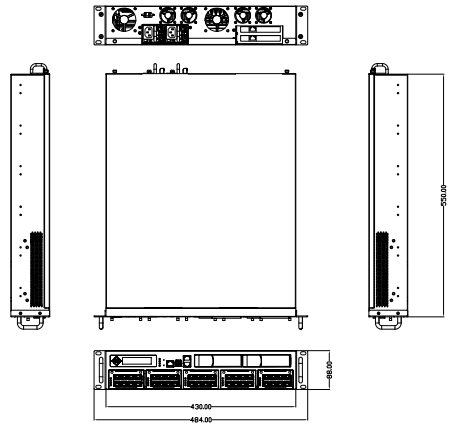
Standard	
NA850-R2GI-RC-US (P/N: E26E850100)	2U network appliance with dual LGA2011 sockets for Intel® Xeon® E5-2600 v3 family processors and 2 GbE LAN ports
Optional	
5916E552000E	DB9F-RJ45 1.8M console cable for Cisco
AX93316-8GI	8-port Gigabit copper module
AX93316-8GIL	8-port Gigabit copper module with LAN bypass
AX93322-8FI	8-port Fiber module
AX93322-8MIL	4-port Gigabit copper & 4-port Fiber module with LAN bypass
AX93336-4GI	4-port Gigabit copper module
AX93336-4GIL	4-port Gigabit copper module with LAN bypass
AX93336-4FI	4-port Fiber module
AX93307-2FI	2-port 10G Fiber module
AX93307-2FIL	2-port 10G Fiber module with LAN bypass
AX93317-2GIL	2-port 10G Base-T module with LAN bypass
AX93327-4FI	4-port 10G Fiber module

* Specifications and certifications are based on options and may vary.
** Recommend ordering optional cable kit with first order.

Packing List

- 1 x power cord
- 1 x SATA cable
- 1 x utility CD (user's manual and driver)

Dimensions



NA-551

2U Rackmount Network Appliance Platform with LGA1155 Intel® Xeon® E3 Processor, Intel® C216, Two 3.5" Hot-swappable HDD and up to 26 LANs

▲ Front view

▲ Rear view

Specifications

System	
CPU	LGA1155 socket for 3rd/2nd Generation Intel® Xeon® E3 and Intel® Core™ processors
Chipset	Intel® C216
Memory	4 x DDR3-1333 DIMM socket max. up to 32 GB non-buffer non-ECC/ECC memory (dual channel)
BIOS	AMI 64Mbits PnP Flash BIOS with function of BIOS redirected to COM port
HDD Interface	2 x 3.5" SATA HDD
Network Interface	14 x 10/100/1000Mbps Ethernet and and 4 x LAN bypass. Expandable up to 26 LAN ports via LAN modules and 6 LAN bypass segments
SSD	1 x CFast™
I/O Interface	1 x console (RJ-type), 2 x USB connector, 14 x RJ-45 connector, 1 x VGA connector, 1 x PS/2 keyboard/mouse connector
Watchdog Timer	Up to 8 stepping for porting
USB	2 x USB 2.0 port on front side, rest are internal pin headers
Expansion slot	1 x Mini PCI slot (32-bit/33 MHz)
Other Features	LAN bypass function through software program
Power Supply	300W redundant power supply
OS Compatibility	Linux Redhat Kernel 2.6
Mechanical/ Environmental	
Form Factor	2U rackmount
LED	Power, HDD, Link/Act with transfer rate, LAN bypass, GPIO programmable (optional)
Operating Temp.	0°C ~ +45°C (32°F ~ 113°F)
Storage Temp.	-20°C ~ +70°C (-4°F ~ +158°F)
Humidity	10% ~ 95% RH, non-condensing
Chassis Material	Steel
Dimensions	88 mm (3.46") (H) x 430 mm (16.92") (W) x 500 mm (19.68") (D)
Weight (net/gross)	14.52 kg (32.01 lb)/21.61 kg (47.64 lb)
Certification	FCC class A/CE class A

Introduction

The NA-551 is a 2U rackmountable network security hardware platform for VPN, firewall and other network security applications. It supports Intel® Xeon® E3 Intel® Core™ processors with Intel® C216 chipset and four DDR3-1333 memory up to 32 GB. For greater flexibility and easier maintenance, the NA-551 has three front-accessible expansion slots that allow developers to configure different LAN modules based on their solution requirements. It has storage interfaces featuring two 3.5" SATA HDD and one CFast™. To solve shutdown issue, the NA-551 supports up to six groups of LAN bypass function through software program.

Ordering Information

Standard	
NA-551-REGI-RC-US (P/N: E26E551100)	2U network appliance with LGA1155 for Intel® Xeon® E3/ Intel® Core™ processors, PSU 1+0 and 14 GbE LAN ports (AXP3306-4GIL & AXT3306-8GIL)
NA-551-R2GI-RC-US (P/N: E26E55101)	2U network appliance with LGA1155 for Intel® Xeon® E3/ Intel® Core™ processors, PSU 1+0 and 2 GbE LAN ports
NA-551-R2GI-R2-RC-US (P/N: E26E55102)	2U network appliance with LGA1155 for Intel® Xeon® E3/ Intel® Core™ processors, PSU 1+1 and 2 GbE LAN ports
Optional	
59416112100E	Cable DB9 (M) - RJ-45, L: 1.5M straight cable
AX93306-4GI	4-port Gigabit copper module
AX93306-4GIL	4-port Gigabit copper module with LAN bypass
AX93306-4FI	4-port Gigabit SFP fiber module
AX93306-8GI	8-port Gigabit copper module
AX93306-8GIL	8-port Gigabit copper module with LAN bypass
AX93306-8MI	4-port Gigabit copper & 4-port Gigabit SFP fiber module
AX93306-8MIL	4-port Gigabit copper & 4-port Gigabit SFP fiber module with LAN bypass
AX93312-8FI	8-port Gigabit SFP fiber module

* Specifications and certifications are based on options and may vary.

** Recommend ordering optional cable kit with first order.

Packing List

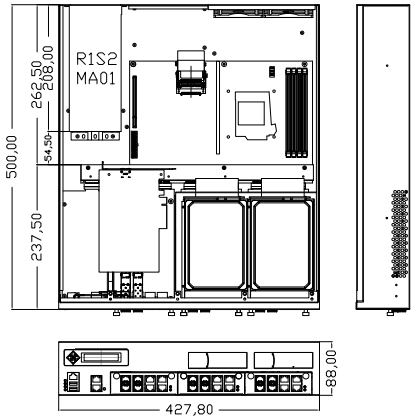
1 x SATA Cable

1 x utility CD (user's manual and driver)

1 x power cord (PSU 1+0), 2 x power cord (PSU 1+1)

2 x HDD tray (w/ key)

Dimensions



* All specifications and photos are subject to change without notice.

NA570

1U Rackmount Network Appliance Platform with LGA1150 Intel® Xeon® E3/ Core™ Processors and up to 24 LANs

▲ Front view

▲ Rear view

Introduction

The NA570 1U rackmount network security platform supports the 4th generation Intel® Xeon® E3/Core™ processor, formerly codename "Haswell". The NA570 offers greatly improved performance and reduced power consumption base on the new Intel® architecture marked improvements in power efficiency and performance. The network communication system supports up to 32 GB DDR3-1600 non-ECC/ECC (only NA570) memory. The NA570 supports 4 pairs of LAN Bypass function for uninterrupted network traffic even if a single in-line appliance hangs or sudden shutdown. Expandable LAN modules via the PCIe 3.0 support up to 24 GbE ports, or up to 4 ports at 10GbE, and a future upgrade to 40GbE to suit your demands.

Specifications

System	
CPU	Intel® Xeon® E3-1275 v3, E3-1225 v3 (Haswell) (NA570) and other LGA1150 processors (NA570/ NA570L)
Chipset	Intel® C226 (NA570)/ H81 (NA570L) (Lynx Point PCH)
Memory	2 x DDR3-1600 DIMM non-ECC (NA570L) 4 x DDR3-1600 DIMM non-ECC/ECC (NA570) max. up to 32GB
BIOS	AMI 64Mbits PnP Flash with function of BIOS redirected to COM port
HDD Interface	2 x 2.5" SATA HDD or 1 x 3.5" SATA HDD (optional)
Network Interface	NA570L: 8 x 10/100/1000Mbps Ethernet (Intel® i210AT) 1 x LAN module, max. up to 16 LAN ports NA570: 8 x 10/100/1000Mbps Ethernet (Intel® i210AT), 2 x LAN module, max. up to 24 LAN ports
SSD	1 x Compact Flash™ type-II
I/O Interface	1 x console RJ-type connector, 2 x USB connector, 1 x VGA, 6 x RJ-45, 8 x RJ-45
Watchdog Timer	255 stepping for porting
USB	2 x USB 3.0 on front side 2 x USB 2.0 internal pin headers only for NA570
Expansion Slot	1 x PCIe x8 (optional for NA570)
Other Features	LAN bypass function through latch relay two pairs for NA570/NA570L
Power Supply	ATX 270W or 1U Redundant 200W (optional)
OS Compatibility	Linux Redhat Kernel
Mechanical/ Environmental	
Form Factor	1U Rackmount
LED	Power, HDD, Link/Act with transfer rate, LAN bypass, GPIO
Operating Temp.	0°C ~ +40°C (32°F ~ 104°F)
Storage Temp.	-20°C ~ +70°C (-4°F ~ +185°F)
Humidity	10% ~ 90% RH, non-condensing
Chassis Material	Steel
Dimensions	NA570: 44 mm (1.73") (H) x 430 mm (16.93") (W) x 450 mm (17.72") (D) NA570L: 44 mm (1.73") (H) x 430 mm (16.93") (W) x 392 mm (15.43") (D)
Weight (net/gross)	8.5 kg (18.74 lb)/ 9.8 kg (21.61 lb)
Certification	FCC / CE

Ordering Information

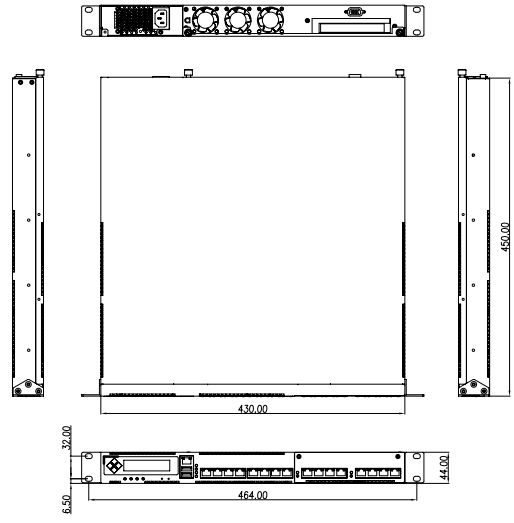
Standard	
NA570-R8GI-C226-US (P/N: E26E5270101)	1U network appliance with LGA1150 socket for the 4th generation Intel® Xeon® E3/Core™ processor, 8 GbE LAN ports, 2-pair LAN Bypass, 2 expandable LAN modules (optional)
NA570L-R8GI-H81-US (P/N: E26E570100)	1U network appliance with LGA1150 socket for the 4th generation Intel® Core™ processor, 8 GbE LAN ports, 2-pair LAN Bypass, 1 expandable LAN modules (optional)
Optional	
5916E552000E	DB9F-RJ-45 1.8M console cable for Cisco

Packing List

1 x power cord

1 x utility CD (user's manual and driver)

Dimensions



NA552

1U Rackmount Network Appliance Platform with LGA1155 Intel® Xeon® E3/ Core™ Processors, Intel® C216 and up to 26 LANs

▲ Front view

▲ Rear view

Specifications

System	
CPU	LGA1155 3rd/2nd Gen. Intel® Xeon® E3 and Intel® Core™ processors
Chipset	Intel® C216
Memory	4 x DDR3-1333 DIMM socket max. up to 32 GB unbuffered
BIOS	AMI 64Mbits PnP Flash with function of BIOS redirected to COM port
HDD Interface	2 x 2.5" SATA HDDs or 1 x 3.5" SATA HDD (optional)
Network Interface	18 x 10/100/1000 Mbps (Intel® i210AT/ 82580EB) and 4 x LAN bypass Expandable up to 26 LAN ports via LAN modules
SSD	1 x CFast™ 1 x Compact Flash™ (optional)
I/O Interface	1 x console RJ-type connector, 2 x USB connector, 17 x RJ-45 connector, 1 x VGA connector
Watchdog Timer	255 stepping for system reset 8 stepping for LAN bypass
USB	2 x USB 2.0 port on front side, rest are internal pin headers
Expansion slot	1 x PCIe x4 slot (optional)
Other Features	LAN bypass function through software program
Power Supply	270W ATX power supply 1U redundant power supply (optional)
OS Compatibility	Linux Redhat Kernel
Mechanical/ Environmental	
Form Factor	1U
LED	Power, HDD, Link/Act with transfer rate, GPIO
Operating Temp.	0°C ~ +40°C (32°F ~ 104°F)
Storage Temp.	-20°C ~ +70°C (-4°F ~ +158°F)
Humidity	10% ~ 95% RH, non-condensing
Chassis Material	Steel
Dimensions	44 mm (1.73") (H) x 430 mm (16.92") (W) x 450 mm (17.72") (D)
Weight (net/gross)	8.32 kg (18.34 lb)/12.76 kg (28.13 lb)
Certification	FCC class A / CE class A

Introduction

The NA552 is a 1U rackmountable network security hardware platform for VPN, firewall and other network security applications. It supports 3rd/2nd Generation Intel® Xeon® E3/ Core™ processors with Intel® C216 chipset and four DDR3-1333 memory up to 32 GB. For greater flexibility and easier maintenance, The NA552 has three front-accessible expansion slots that allow developers to configure. up to 26 LAN ports. The NA552 also supports the Intel® DPDK, a set of software libraries that can improve packet processing performance by up to ten times. It could achieve over 80 Mbps throughput on a single Intel® Xeon® processor.

Ordering Information

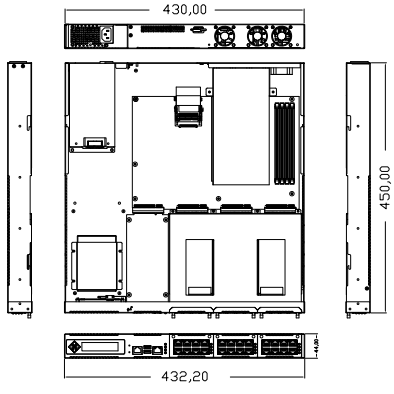
Standard	
NA552-R2GI-FS-US (P/N: E26E552101)	1U network appliance with LGA1155 sockets for Intel® Xeon® E3 or Intel® Core™ processors and 2 GbE LAN ports
NA552-RIGI-FS-US (P/N: E26E552100)	1U network appliance with LGA1155 sockets for Intel® Xeon® E3 or Intel® Core™ processors and 18 GbE LAN ports
Optional	
5916E552000E	DB9F-RJ-45 1.8M console cable for Cisco
AX93316-8GI	8-port Gigabit copper module
AX93316-8GIL	8-port Gigabit copper module with LAN bypass
AX93322-8FI	8-port Fiber module
AX93322-8MIL	4-port Gigabit copper & 4-port Fiber module with LAN bypass
AX93336-4GI	4-port Gigabit copper module
AX93336-4GIL	4-port Gigabit copper module with LAN bypass
AX93336-4FI	4-port Fiber module
AX93307-2FI	2-port 10G Fiber module
AX93307-2FIL	2-port 10G Fiber module with LAN bypass
AX93317-2GIL	2-port 10G Base-T module with LAN bypass
AX93327-4FI	4-port 10G Fiber module

* Specifications and certifications are based on options and may vary.
** Recommend ordering optional cable kit with first order.

Packing List

1 x power cord
1 x SATA cable
1 x utility CD (user's manual and driver)

Dimensions



* All specifications and photos are subject to change without notice.

NA-550

1U Rackmount Network Appliance Platform with LGA1155 Intel® Xeon® E3 Processor, Intel® C216 and up to 26 LANs

▲ Front view

▲ Rear view

Specifications

System	
CPU	LGA1155 socket for 3rd/2nd Gen. Intel® Xeon® E3 & Intel® Core™ processors, max 95 watt
Chipset	Intel® C216
Memory	4 x DDR3-1333 DIMM socket max. up to 32 GB non-buffer non-ECC/ECC memory (Dual channel)
BIOS	AMI 64 Mbit PnP Flash BIOS with function of BIOS redirected to COM port
HDD Interface	1 x 2.5" SATA HDD
Network Interface	14 x 10/100/1000Mbps Ethernet and 4 x LAN bypass. Expandability of up to 26 LAN ports via LAN modules & 6 LAN bypass
SSD	1 x CFast™
I/O Interface	1 x console (RJ-type connector), 2 x USB connector, 14 x RJ-45 connector, 1 x VGA connector, 1 x PS/2 keyboard/ mouse connector (default)
Watchdog Timer	255 stepping for system reset 8 stepping for LAN bypass
USB	2 x USB 2.0 port on front side, rest are internal pin headers
Expansion Slot (Optional)	1 x External PCI slot 1 x Mini PCI slot (32-bit/33 MHz)
Other Features	LAN bypass function through software program
Power Supply	300W ATX power supply
OS Compatibility	Linux Redhat Kernel 2.6
Mechanical/ Environmental	
Form Factor	1U rackmount
LED	4 x GPO LED (LED 1: green color, normal working; LED 2: green color, management; LED 3: yellow color, master/slave; LED 4: yellow color, Log). While the BIOS boots up, the LED should be light off. While it boots up successfully, these LEDs can be triggered and controlled.
Operating Temp.	0°C ~ +45°C (32°F ~ 104°F)
Storage Temp.	-20°C ~ +70°C (-4°F ~ +158°F)
Humidity	10% ~ 95% RH, non-condensing
Chassis Material	Steel
Dimensions	44 mm (1.73") (H) x 427.8 mm (16.84") (W) x 523 mm (20.59") (D)
Weight (net/gross)	8.32 kg (18.34 lb)/12.76 kg (28.13 lb)
Certification	FCC class A/CE class A

Introduction

The NA-550 is a 1U rackmountable network security hardware platform for VPN, firewall and other network security applications. It supports 3rd/2nd Generation Intel® Xeon® E3 family processors with Intel® C216 chipset and four DDR3-1333 memory up to 32 GB. For greater flexibility and easier maintenance, the NA-550 has three front-accessible expansion slots that allow developers to configure different LAN modules based on their solution requirements. The NA-550 has storage interfaces featuring one 2.5" SATA HDD and one CFast™. To ensure stable network connection, the NA-550 supports up to six groups of LAN bypass function through software program.

Ordering Information

Standard	
NA-550-REGI (P/N: E26E550100)	1U network appliance with LGA1155 socket for Intel® Core™ processors and 14 GbE LAN ports (AX93306-4GIL & AX93306-8GIL)
NA-550-R2GI (P/N: E26E550101)	1U network appliance with LGA1155 socket for Intel® Core™ processors and 2 GbE LAN ports
Optional	
59416112100E	Cable DB9 (M) - RJ-45, L: 1.5M straight cable
AX93306-4GI	4-port Gigabit copper module
AX93306-4GIL	4-port Gigabit copper module with LAN bypass
AX93306-4FI	4-port Gigabit SFP fiber module
AX93312-8FI	8-port Gigabit SFP fiber module
AX93306-8GI	8-port Gigabit copper module
AX93306-8GIL	8-port Gigabit copper module with LAN bypass
AX93306-8MI	4-port Gigabit copper & 4-port Gigabit SFP fiber module
AX93306-8MIL	4-port Gigabit copper & 4-port Gigabit SFP fiber module with LAN bypass

* Specifications and certifications are based on options and may vary.

** Recommend ordering optional cable kit with first order.

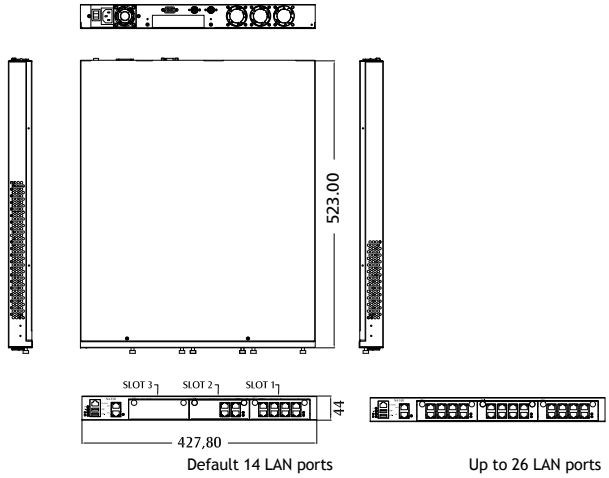
Packing List

1 x SATA Cable

1 x utility CD (user's manual and driver)

1 x power cord

Dimensions



Default 14 LAN ports

Up to 26 LAN ports

NA-560

1U Rackmount Network Appliance Platform with LGA1155 Socket Intel® Core™, Intel® H61/ B65/ C216 Chipset and up to 8 Cooper + 2 Fiber LANs

▲ Front view

▲ Rear view

Introduction

The NA-560 is a 1U rackmountable network security hardware platform for VPN, firewall and other network security applications. It supports Intel® Sandy Bridge & Ivy Bridge processors with Intel® H61/ B65/ C216 chipset and four DDR3-1333 memory up to 32 GB. The NA-560 has powerful storage interfaces: two 2.5" SATA HDD and one CompactFlash™. To ensure stable network connection, it supports LAN bypass function through software program.

Specifications

System	
CPU	LGA1155 socket for 3rd/2nd Generation Intel® Xeon® E3 and Intel® Core™/i7/i5/i3 processors
Chipset	Intel® H61/B65/C216 (optional)
Memory	4 x DDR3-1333 DIMM socket max. up to 16 GB non-buffer non-ECC memory (Single channel (H61 PCH) & Dual channel (B65/C216 PCH max. up to 32 GB)
BIOS	AMI 64Mbits PnP Flash BIOS with function of BIOS redirected to COM port
HDD Interface	2 x 2.5" SATA HDD or 1 x 3.5" SATA HDD
Network Interface	6 x 10/100/1000Mbps Ethernet (H61 PCH)/ 8 x 10/100/1000Mbps Ethernet (B65 PCH) (Intel® 82574L (default)/ Intel® 82583V (optional)) 8 x 10/100/1000Mbps + 2 Fiber Ethernet (C216) (Intel® 82574L (default)/ i210IS (default))
SSD	1 x CompactFlash™ or CFast™ (optional)
I/O Interface	1 x RS-232 (RJ-type connector), 2 x USB connector, 6 x RJ-45 connector (H61 PCH)/ 8 x RJ-45 connector (B65 PCH) / 8+2 RJ-45 connector (C216 PCH)
Watchdog Timer	255 stepping for system reset 8 stepping for LAN bypass
USB	2 x USB 2.0 port on front side, rest are internal pin headers
Expansion Slot	1 x MiniPCI/ 1 x PCIe x 8 (only in NA560/NA560H)
Other Features	LAN bypass (2 groups) function through latch relay
Power Supply	270W ATX power supply
OS Compatibility	Linux Redhat Kernel 2.6
Mechanical/ Environmental	
Form Factor	1U rackmount
LED	Power, HDD, Link/Act with transfer rate, LAN bypass, GPIO programmable (optional)
Operating Temp.	0°C ~ +40°C (32°F ~ 104°F)
Storage Temp.	-20°C ~ +70°C (-4°F ~ +158°F)
Humidity	10% ~ 95% RH, non-condensing
Chassis Material	Steel
Dimensions	44 mm (1.73") (H) x 430 mm (16.93") (W) x 392.26 mm (15.43") (D)
Weight (net/gross)	8.2 kg (18.08 lb)/9.8 kg (21.61 lb)
Certification	FCC class A / CE class A

Ordering Information

Standard	
NA-560L-R6GI (P/N: E26E560107)	1U network appliance with Intel® H61 and 6 GbE LAN ports and CF (w/o PCIe expansion)
NA-560L-R8GI (P/N: E26E560106)	1U network appliance with Intel® B65 and 8 GbE LAN ports and CF (w/o PCIe expansion)
NA-560H (P/N: E26E560108)	1U network appliance with Intel® C216 and 8 cooper + 2 fiber LAN ports, CF and 1 x PCIe expansion
Optional	
CK9A104	Cable kit (P/N: 8816E320010E)
59416112100E	Cable DB9 (M) - RJ-45, L: 1.5M straight cable

* Specifications and certifications are based on options and may vary.

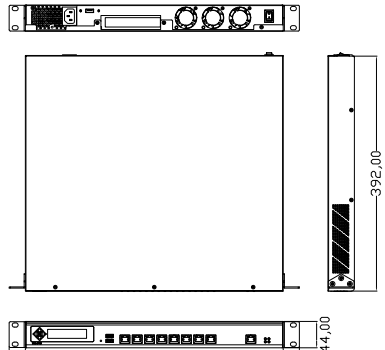
** Recommend ordering optional cable kit with first order.

Packing List

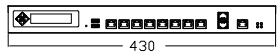
- 1 x SATA Cable
- 1 x utility CD (user's manual and driver)
- 1 x power cord
- 1 x DB9F to RT-45 1.8M console cable (RC)

Dimensions

NA560/NA560L



NA560H



* All specifications and photos are subject to change without notice.

NA361R

1U Rackmount Network Appliance Platform with Intel® Atom™ Rangeley Processor and 6 LANs

▲ Front view

▲ Rear view

Introduction

The NA361R supports low power Intel® Rangeley Atom™ SoC up to 2.4 GHz processor. The NA361R supports six 10/100/1000Mbps Ethernet ports, two pairs of LAN bypass, one optional LAN module or one PCIe x8 expansion. Two 2.5" SATA HDD or one CompactFlash™ are available for storing event log data. It also supports one expansion slot for 1G or 10G NIC card for optional. The NA361R supports Intel® AES New Instructions (AES-NI) and VT-x virtualization while the new Crypto Engine enables Intel® 4 x DDR3 UDIMM socket up to 64 GB, unbuffered non ECC/ECC memory (dual channel) and QuckAssist Technology that supports 128, 192 and 256-bit AES, 3DES, DES.

Specifications

System	
CPU	Intel® Atom™ processor C2558 (4-core) 2.4 GHz/ C2758 (8-core) 2.4 GHz for optional
Memory	4 x DDR3-1600MHz UDIMM socket max. up to 64 GB unbuffered non-ECC/ECC memory (Dual channel)
BIOS	AMI 64Mbits PnP Flash with function of BIOS redirected to COM port
HDD Interface	2 x 2.5" SATA HDD or 1 x 3.5" SATA HDD (optional)
Network Interface	6 x 10/100/1000Mbps Ethernet (i354 & i210) 4RJ+2SFP for optional 1 x LAN module (for optional), max. up to 14 LAN ports
SSD	1 x Compact Flash™ type-II 1 x CFast™ (optional)
I/O Interface	1 x RS-232 (RJ-type), 2 x USB connector, 6 x RJ-45 connector
Watchdog Timer	255 stepping for system reset 8 stepping for LAN bypass
USB	2 x USB 2.0 port on rear side
Other Features	LAN bypass function through latch relay (two pairs)
Power Supply	Open frame
OS Compatibility	Yocto OS
Mechanical/ Environmental	
Form Factor	1U rackmount
LED	Power, HDD, Link/Act with transfer rate
Operating Temp.	0°C ~ +40°C (32°F ~ 104°F)
Storage Temp.	-20°C ~ +70°C (-4°F ~ +158°F)
Humidity	10% ~ 90% RH, non-condensing
Chassis Material	Steel
Dimensions	44 mm (1.73") (H) x 430 mm (16.93") (W) x 250 mm (9.84") (D)
Weight (net/gross)	3.5 kg (7 lb)/ 4.5 kg (9 lb)
Certification	FCC class B/ CE class B

Ordering Information

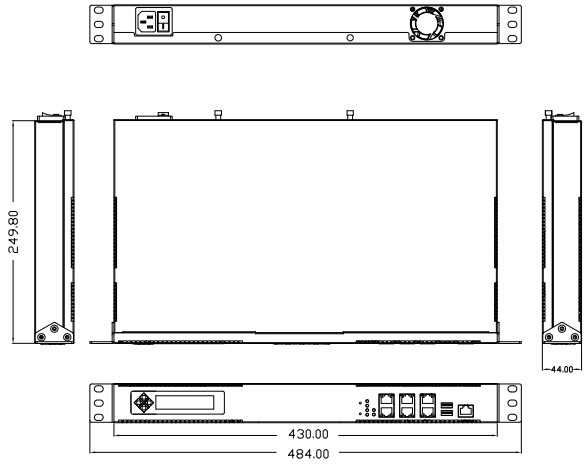
Standard	
NA361R-R6GI-US (P/N: E26E361102)	1U rackmount network security appliance with Intel® Atom™ processor C2558 and up to 6 GbE LAN ports
Optional	
5916E552000E	DB9F-RJ45 1.8 M Console cable for Cisco

* Specifications and certifications are based on options and may vary.
** Recommend ordering optional cable kit with first order.

Packing List

1 x power cord
1 x utility CD (user's manual and driver)

Dimensions



NA-360

1U Rackmount Network Appliance Platform with Intel® Celeron® 725C Processor and up to 16 LANs

▲ Front view

▲ Rear view

Introduction

The NA-360 is a 1U rackmountable network security hardware platform for VPN, firewall and other network security applications. It supports Intel® Celeron® 725C (Default)/ Pentium® B915C/ Core™ i3-2115C/ Xeon® E3 1105C/ Xeon® E5 1125C; Pentium® B925C/ Core™ i3-3115C/ Xeon® E3 1105v2/ Xeon® E3 1125v2 processors with Intel® Cave Creek chipset and two DDR3-1333 memory up to 16 GB. The NA-360 has powerful storage interfaces featuring two 2.5" SATA HDD and one CompactFlash™. The NA-360 supports LAN bypass function through software program. The model also supports the QuickAssist technology IPSec engine, virtualization and DPDK (Data Plane Development Kit). It provides high performance in IPSec/Patten match/compression, and layer 3 routing performance in networking packets.

Specifications

System	
CPU	Intel® Celeron® 725C processor
Chipset	Intel® DH8903CC PCH
Memory	2 x DDR3-1333 DIMM socket max. up to 16 GB ECC/non-ECC memory (single channel)
BIOS	AMI 64 Mbits PnP Flash BIOS with function of BIOS redirected to COM port
HDD Interface	2 x 2.5" SATA HDD or 1 x 3.5" SATA HDD (optional)
Network Interface	8 x 10/100/1000Mbps Ethernet (default) 1 x LAN module, up to 16 LAN ports (optional) (AX93316/AX93322/AX93326/AX93307/ AX93317)
SSD	1 x CompactFlash™ or 1 CFast™ (optional)
I/O Interface	1 x RS-232 (RJ-type connector), 2 x USB connector, 8 x RJ-45 connector
Watchdog Timer	255 stepping for system reset 8 stepping for LAN bypass
USB	2 x USB 2.0 port on front side, rest are internal pin headers
Expansion Slot	1 x PCIe x8 (optional) 1 x PCIe Mini Card slot (optional)
Other Features	LAN bypass function through latch relay (2 pairs in default, up to 7 pairs LAN bypass)
Power Supply	270W ATX power supply
OS Compatibility	Linux Redhat Kernel
Mechanical/ Environmental	
Form Factor	1U rackmount
LED	Power, HDD, Link/Act with transfer rate, LAN bypass, GPIO programmable (optional)
Operating Temp.	0°C ~ +40°C (32°F ~ 104°F)
Storage Temp.	-20°C ~ +70°C (-4°F ~ +158°F)
Humidity	10% ~ 90% RH, non-condensing
Chassis Material	Steel
Dimensions	44 mm (1.73") (H) x 430 mm (16.92") (W) x 392 mm (15.44") (D)
Weight (net/gross)	8.2 kg (18.08 lb)/ 9.8 kg (21.61 lb)
Certification	CE

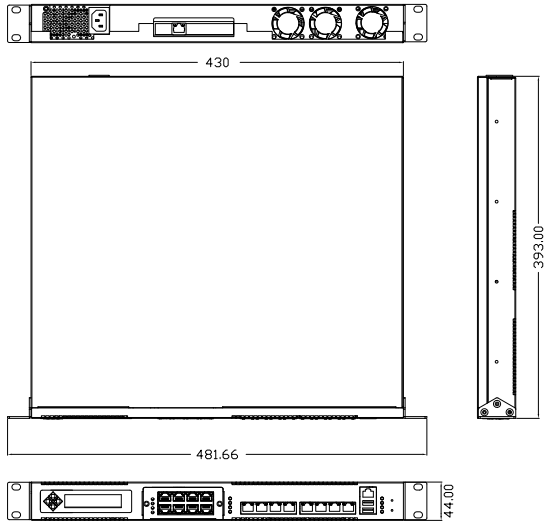
Ordering Information

Standard	
NA-360-R8GI-725C (P/N: E26E360100)	1U network appliance with Intel® Celeron® 725C processor and 8 GbE LAN ports, 1 LAN module (optional)
Optional	
5916E552000E	DB9F-RJ45 1.8M console cable for Cisco

Packing List

- 1 x SATA cable
- 1 x utility CD (user's manual and driver)
- 1 x power cord

Dimensions



* All specifications and photos are subject to change without notice.

NA-330

1U Rackmount Network Appliance Platform with Intel® Atom™ Processor D525 and 10 LANs

▲ Front view

▲ Rear view

Introduction

The NA-330 is a 1U rackmountable network security hardware platform for VPN, firewall and other network security applications. It supports low power Intel® Atom™ processor D525 1.8 GHz with Intel® ICH8M chipset and a DDR3-800 memory up to 4 GB. The wLAN ports are available in copper and fiber configurations to meet different requirements. For storing event data, the NA-330 utilizes two 2.5" SATA HDD or 3.5'' SATA HDD. It supports CompactFlash™ or optional SATA DoM. To ensure an uninterrupted network connection, the two-group bypass function acts automatically when the system is powered down or off.

▲ 8 RJ+2 SFP

Specifications

System	
CPU	Intel® Atom™ D525 1.86 GHz with 1M L2 cache
Chipset	Intel® ICH8M
Memory	2 x DDR3-800 (single channel) SO-DIMM max. up to 4 GB (unbuffered non-ECC)
BIOS	AMI 8Mbit PnP Flash BIOS with function of BIOS redirected to COM port
HDD Interface	2 x 2.5" SATA HDD (default) or 1 x 3.5'' SATA HDD (optional)
Network Interface	10 (RJ-type) x 10/100/1000Mbps Ethernet (Intel® 82583V, 82572EI, 82541PI) or 8 (RJ-type) + 2 (SFP type, fiber) 10/100/1000Mbps Ethernet (Intel® 82583V, 82572EI, 82541PI)
SSD	1 x SATA DOM or 1x CompactFlash™
I/O Interface	1 x RS-232 (RJ-type connector) 2 x USB connector, 10 x RJ-45 connector
Watchdog Timer	255 stepping for porting
USB	2 x USB 2.0 port on front side, rest are internal pin headers
Expansion Slot	1 x PCIe Mini Card slot (USB transaction bus)
Other Features	LAN bypass function through WDT and GPIO pin control (default) LAN bypass (2 groups)
Power Supply	84W open frame
OS Compatibility	Linux Redhat Kernel 2.6
Mechanical/ Environmental	
Form Factor	1U rackmount
LED	Power, HDD, Link/Act with transfer rate, LAN bypass (default), GPIO programmable (optional)
Operating Temp.	0°C ~ +45°C (32°F ~ 113°F)
Storage Temp.	-20°C ~ +70°C (-4°F ~ +158°F)
Humidity	10% ~ 95% RH, non-condensing
Chassis Material	Steel
Dimensions	44 mm (1.73") (H) x 430 mm (16.93") (W) x 255 mm (10.03") (D)
Weight (net/gross)	3.5 kg (7.72lb)/ 4.5kg (9.92lb)
Certification	FCC class A/CE class A

Ordering Information

Standard	
NA330-RAGI-1.8G-D525 (P/N: E26E330100)	1U network appliance with ULV Intel® Atom™ processor D525 1.8 GHz and 10 GbE LAN ports (10 RJ)
NA330-RAMI-1.8G-D525 (P/N: E26E330101)	1U network appliance with ULV Intel® Atom™ processor D525 1.8 GHz and 10 GbE LAN ports (8 RJ+2 SFP)
Optional	
CK9A104	Cable kit (P/N: 8816E320010E)
59416112100E	Cable DB9 (M) - RJ-45, L: 1.5M straight cable

* Specifications and certifications are based on options and may vary.

** Recommend ordering optional cable kit with first order.

Packing List

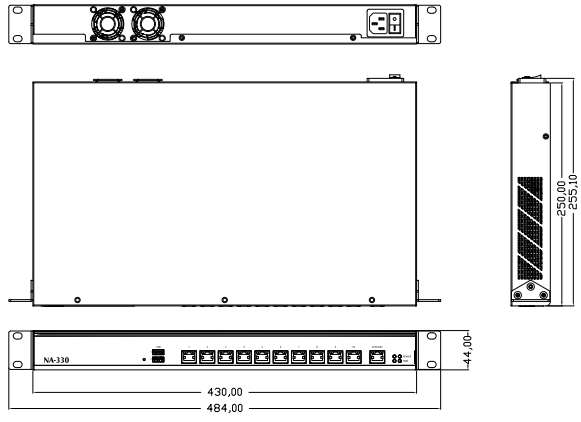
1 x SATA Cable

1 x utility CD (user's manual and driver)

1 x power cord

1 x RJ-45 to DB9 (F) 1.8M console cable (RC) cross cable

Dimensions



NA-320R

1U Rackmount Network Appliance Platform with Intel® Atom™ Processor D510 and 6 LANs

▲ Front view

▲ Rear view

Introduction

The NA-320R is a 1U rackmountable network security hardware platform for VPN, firewall, UTM and other network security applications. It supports low power Intel® Atom™ processor D510 1.66 GHz with Intel® ICH8M PCH chipset and offers a DDR2-667 memory up to 2 GB. It supports two 2.5" SATA2 HDD or one 3.5" SATA2 HDD (optional) and one CompactFlash™ slot for solid state disk system. To prevent problems from sudden shutdown, the platform supports one group of LAN bypass function through WDT and GPIO pin definitions. The PCI Express Mini Card slot is for WiFi wireless card installation.

Specifications

System	
CPU	Intel® Atom™ processor D510 1.66 GHz with 1 M L2 cache
Chipset	Intel® ICH8M
Memory	1 x DDR2-667 (single channel) SO-DIMM max. up to 2 GB (unbuffered non-ECC)
BIOS	AMI 16Mbit PnP Flash BIOS with function of BIOS redirected to COM port
HDD Interface	2 x 2.5" SATA2 HDD or 1 x 3.5" SATA2 HDD (optional)
Network Interface	6 x 10/100/1000Mbps Ethernet (Intel® 82583V (default), Intel® 82574L (optional))
SSD	1x CompactFlash™ type II
I/O Interface	1 x RS-232 (RJ-type connector), 2 x USB connector, 6 x RJ-45 connector
Watchdog Timer	255 stepping for porting
USB	2 x USB 2.0 port on front side, rest are internal pin headers
Expansion Slot	PCIe Mini Card (USB transaction bus)
Other Features	LAN bypass function through WDT and GPIO pin control
Power Supply	84W switching power supply (open frame)
OS Compatibility	Linux Redhat Kernel 2.6
Mechanical/ Environmental	
Form Factor	1U rackmount
LED	Power, HDD, LAN bypass, Link/Act with transfer rate
Operating Temp.	0°C ~ +45°C (32°F ~ 113°F)
Storage Temp.	-20°C ~ +70°C (-4°F ~ +158°F)
Humidity	10% ~ 95% RH, non-condensing
Chassis Material	Steel
Dimensions	44 mm (1.73") (H) x 430 mm (16.93") (W) x 248 mm (9.76") (D)
Weight (net/gross)	3.5 kg (7.72lb)/ 4.5 kg (9.92lb)
Certification	CE class A

Ordering Information

Standard	
NA-320R-R6GI-1.6G (P/N: E26E320106)	1U rackmount network appliance with Intel® Atom™ processor D510 1.66 GHz and 6 GbE LAN ports
Optional	
CK9A104	Cable kit (P/N: 8816E320010E)
59416112100E	Cable DB9 (M) - RJ-45, L: 1.5M straight cable

* Specifications and certifications are based on options and may vary.

** Recommend ordering optional cable kit with first order.

Packing List

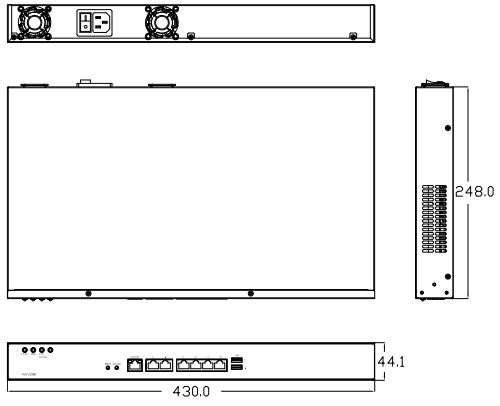
2 x SATA cable

1 x power cord

1 x utility CD (user's manual and driver)

1 x RJ-45 to DB9 (F) 1.8M console cable (RC) cross cable

Dimensions



Fanless Desktop Network Appliances

Features \ Models		NA-110	NA150	NA-320FL
Form Factor		Slim-type	1U Desktop	1U Desktop
Processor		AMD G-series T24L	Marvell ARMADA 370	Intel® Atom™ D510 1.66 GHz
Chipset		AMD A50M	SoC Integrated	Intel® ICH8-M
BIOS		AMI 16Mbits PnP Flash	N/A	AMI 16Mbit PnP Flash
Memory	**Technology**	DDR3-1066	DDR3L	DDR2-667
	Max Capacity	Up to 4 GB non-ECC	Up to 1 G onboard	Up to 2 GB non-ECC
	Socket	1 x 204P SO-DIMM	-	1 x 200P SO-DIMM
Network Interface	**Ethernet**	4 x 10/100/1000Mbps	6 x 10/100/1000Mbps	6 x 10/100/1000Mbps
	LAN Bypass	1 pair (optional)	1 pair (optional)	1 pair (optional)
	Controllers	Realtek RTL8111E	Marvell 88E1518/ 88E111EA/886172	Intel® 82583V
	LAN Module	N/A	N/A	N/A
Storage	**HDD**	1 x 2.5" HDD	1 x 2.5" HDD	1 x 2.5" HDD
	CompactFlash™ / CFast™	1 x CompactFlash™	1 x SD	1 x CompactFlash™
I/O	**USB**	2 x USB 2.0	2 x USB 2.0	2 x USB 2.0
	Console	1 x DB9	1 x RJ-45	1 x RJ-45
Power Supply		12V/5A	40W adaptor	12V/5A
Console Redirection		Yes	Yes	Yes
Expansion		1 x PCIe Mini Card	2 x PCIe Mini Card (optional)	1 x PCIe Mini Card (USB signal)
VGA		MIniPCIe VGA module (optional)	No	Pin header
Fanless		Yes	Yes	Yes
Operating Temperature		0°C ~ +40°C (32°F ~ 104°F)	0°C ~ +40°C (32°F ~ 104°F)	0°C ~ +40°C (32°F ~ 104°F)
LCD Module		N/A	N/A	N/A
OS Support		Linux Kernel	-	Linux Kernel
Dimensions (H x W x D)		30 x 230 x 151.5 mm (1.18" x 9.05" x 5.9")	44 x 231.9 x 152 mm (1.73" x 9.012" x 5.98")	44 x 230 x 153.5 mm (1.73" x 9.05" x 6.04")
Certificates		CE/FCC	CE/FCC	CE/FCC

Features \ Models		NA-340FL	NA341	NA361FL
Form Factor		1U Desktop	1U Desktop	1U Desktop
Processor		Intel® Atom™ D525 1.8 GHz	Intel® Atom™ N2600 1.6 GHz	Intel® Atom™ C2558 or C2758 (Project Base)
Chipset		Intel® ICH8-M	Intel® NM10	SoC Integrated
BIOS		AMI 16Mbit PnP Flash	AMI 16Mbit PnP Flash	AMI 64Mbit PnP Flash
Memory	**Technology**	DDR3-800	DDR3-800/1066	DDR3-1600
	Max Capacity	Up to 4 GB non-ECC	Up to 2 GB non-ECC	Up to 16 GB non-ECC/ECC
	Socket	1 x 204P SO-DIMM	1 x 204P SO-DIMM	2 x 240P DIMM
Network Interface	**Ethernet**	6 x 10/100/1000Mbps	4 x 10/100/1000Mbps	6 x 10/100/1000Mbps
	LAN Bypass	1 pair (optional)	1 pair (optional)	2 pairs (optional)
	Controllers	Intel® 82583V	Intel® I210	Intel® i354-AT4 & i210
	LAN Module	N/A	N/A	N/A
Storage	**HDD**	1 x 2.5" HDD	N/A	1 x 2.5" HDD
	CompactFlash™ / CFast™	1 x CompactFlash™ or 1 x CFast™	1 x CompactFlash™	1 x CompactFlash™
I/O	**USB**	2 x USB 2.0	2 x USB 2.0	2 x USB 2.0
	Console	1 x RJ-45	1 x RJ-45	1 x RJ-45
Power Supply		12V/5A	12V/5A	12V/5A
Console Redirection		Yes	Yes	Yes
Expansion		1 x PCIe Mini Card (USB signal)	1 x PCIe Mini Card (USB signal)	1 x PCIe Mini Card
VGA		Pin header	Pin header	N/A
Fanless		Yes	Yes	Yes
Operating Temperature		0°C ~ +40°C (32°F ~ 104°F)	0°C ~ +40°C (32°F ~ 104°F)	0°C ~ +40°C (32°F ~ 104°F)
LCD Module		N/A	N/A	N/A
OS Support		Linux Kernel	Linux Kernel	Linux Kernel
Dimensions (H x W x D)		44 x 230 x 152.8 mm (1.73" x 9.05" x 6.01")	30 x 152 x 110 mm (1.18" x 5.98" x 4.33")	44 x 231 x 197 mm (1.73" x 9.09" x 7.76")
Certificates		CE/FCC	CE/FCC	CE/FCC

* All specifications and photos are subject to change without notice.

Desktop Network Appliances

Features \ Models		NA-320	NA-340	NA342	NA361
Form Factor		1U Desktop	1U Desktop	1U Desktop	1U Desktop
Processor		Intel® Atom™ D510 1.66 GHz	Intel® Atom™ D525 1.8 GHz	Intel® Celeron® J1900 (4C, 2.0GHz)	Intel® Atom™ C2358 (2C, 1.7GHz w/QuickAssist)
Chipset		Intel® ICH8-M	Intel® ICH8-M	SoC Integrated	SoC Integrated
BIOS		AMI 16Mbit PnP Flash	AMI 16Mbit PnP Flash	AMI 16Mbit PnP Flash	AMI 64Mbit PnP Flash
Memory	**Technology**	DDR2-667	DDR3-800	DDR3L-1066	DDR3-1600
	Max Capacity	Up to 2 GB non-ECC	Up to 4 GB non-ECC	Up to 8 GB non-ECC	Up to 16 GB non-ECC/ECC
	Socket	1 x 200P SO-DIMM	1 x 204P SO-DIMM	1 x 204P SO-DIMM	2 x 240P DIMM
Network Interface	**Ethernet**	6 x 10/100/1000Mbps	6 x 10/100/1000Mbps	4 x 10/100/1000Mbps (6 ports by project base)	6 x 10/100/1000Mbps
	LAN Bypass	1 pair (optional)	1 pair (optional)	1 pair (optional)	2 pairs (optional)
	Controllers	Intel® 82583V	Intel® 82583V	Intel® 211	Intel® i354-AT4 & i210
	LAN Module	N/A	N/A	N/A	N/A
Storage	**HDD**	1 x 2.5" HDD	1 x 2.5" HDD	1 x 2.5" HDD	1 x 2.5" HDD
	CompactFlash™ / CFast™	1 x CompactFlash™	1 x CFast™	1 x CompactFlash™	1 x CompactFlash™
I/O	**USB**	2 x USB 2.0	2 x USB 2.0	1 x USB 2.0, 1 x USB 3.0	2 x USB 2.0
	Console	1 x RJ-45	1 x RJ-45	1 x RJ-45	1 x RJ-45
Power Supply		12V/5A	12V/5A	12V/5A	12V/5A
Console Redirection		Yes	Yes	Yes	Yes
Expansion		1 x PCIe Mini Card (USB signal only)	1 x PCIe Mini Card (USB signal only)	12V/5A	1 x PCIe Mini Card (USB signal only)
VGA		Pin header	Pin header	Pin header	Pin header
Fanless		N/A	N/A	Yes	N/A
Operating Temperature		0°C ~ +40°C (32°F ~ 104°F)	0°C ~ +40°C (32°F ~ 104°F)	0°C ~ +40°C (32°F ~ 104°F)	0°C ~ +40°C (32°F ~ 104°F)
LCD Module		N/A	N/A	N/A	N/A
OS Support		Linux Kernel	Linux Kernel	Linux Kernel	Linux Kernel
Dimensions (H x W x D)		44 x 230 x 153.5 mm (1.73" x 9.05" x 6.04")	44 x 230 x 152.1 mm (1.73" x 9.05" x 5.98")	44 x 231.9 x 152 mm (1.73" x 9" x 5.98")	44 x 231 x 197 mm (1.73" x 9.09" x 7.76")
Certificates		CE/FCC	CE/FCC	CE/FCC	CE/FCC

NA-110

Fanless Slim-type Network Appliance Platform with AMD G-Series T24L Processor and 4 LANs

▲ Front view

▲ Rear view

Introduction

The fanless, slim-type NA-110 is built on AMD G-series APU T24L 1.0GHz with A50M chipset. The low-power NA-110 comes in a small package with a height of just 30mm (1.18in) and a weight of 2.2kg (4.95lbs), which can easily fit into any confined space and harsh environment. It offers up to 4GB of DDR3 SO-DIMM RAM, one PCI Express Mini Card slot, CFast™ socket, 2.5" SATA HDD, four gigabit Ethernet ports, and dual USB 2.0 ports. This entry-level network appliance platform offers users a value segment solution and stable network performance with fanless operation and low power consumption at a reasonable cost.

Specifications

System	
CPU	AMD G-Series T24L 1.0 GHz processor
Chipset	AMD A50M
Memory	1 x DDR3-1066 SO-DIMM socket max. up to 4 GB (non-ECC) (single channel) (wide temp. support is available upon request.)
BIOS	AMI 16Mbits PnP Flash BIOS with function of BIOS redirected to COM port
HDD Interface	1 x 2.5" SATA HDD (wide temperature support is available upon request.)
Network Interface	4 x 10/100/1000Mbps (Realtek 8111E)
SSD	1 x CompactFlash™ type-II 1 x CFast™ (optional)
I/O Interface	1 x RS-232 (DB9 connector), 2 x USB connector, 4 x RJ-45 connector
Watchdog Timer	255 stepping for system reset up to 8 stepping for LAN bypass
USB	2 x USB 2.0 port on front side
Expansion Slot	PCIe Mini Card
Other Features	Serial number binding architecture LAN bypass function though latch relay (one group)
Power Supply	12V, 5A power adaptor
OS Compatibility	Linux Redhat Kernel 2.6
Mechanical/ Environmental	
Form Factor	Slim desktop
LED	Power, HDD, Link/Act with transfer rate
Operating Temp.	0°C ~ +40°C (32°F ~ 104°F)
Storage Temp.	-20°C ~ +70°C (-4°F ~ +158°F)
Humidity	10% ~ 90% RH, non-condensing
Chassis Material	Steel
Dimensions	30 mm (1.18") (H) x 230 mm (9.05") (W) x 151.5 mm (5.96") (D)
Weight (net/gross)	2.2 kg (4.85 lb)/2.46 kg (5.42 lb)
Certification	FCC class B/ CE class B

Ordering Information

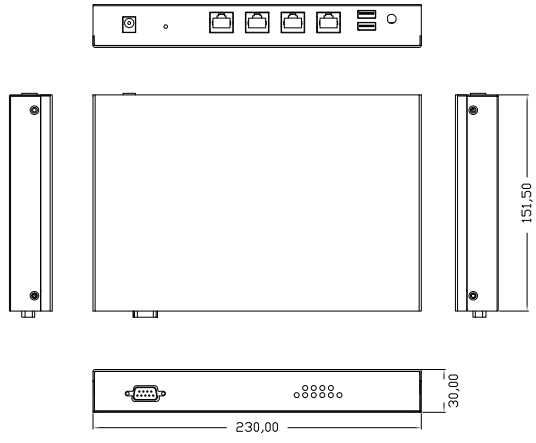
Standard	
NA-110-D4GR-CF-US (P/N: E26E110103)	Fanless network appliance with AMD T24L processor and 4 GbE LAN ports
Optional	
59463315040E	Console cable 1.8M, M-M round
E9C6200001	PCIe Mini VGA card

* Specifications and certifications are based on options and may vary.
** Recommend ordering optional cable kit with first order.

Packing List

1 x power cord
1 x DC power adaptor 12V/5A

Dimensions



* All specifications and photos are subject to change without notice.

NA150

Fanless RISC-based Network Appliance Platform with Marvell ARMADA 370, 2 Gigabit LAN Ports and 4 Gigabit Switch Ports

NEW

▲ Front view

▲ Rear view

Introduction

The NA150 is a low-power RISC architecture fanless network hardware platform suitable for small office and home office (SOHO) applications. It supports low power Marvell® ARMADA™ 370 processor with one onboard DDR3L memory up to 1GB. The network appliance supports 2 Gigabit LAN ports and 4 Gigabit switch ports, giving 100Mbps to 1Gbps throughput. The platform is ideal for intelligent broadband networking, wireless application, control plane and storage in next-generation equipment. The NA150 comes with flexible internal storage options and rich I/O connections, such as 2.5" HDD, SD slot, USB 2.0 ports, 2 PCI Express Mini Card slot, and console connection.

Specifications

System	
CPU	Marvell ARMADA 370
Chipset	SoC Integrated
Memory	Onboard DDR3L up to 1GB
HDD Interface	1 x 2.5" SATA2 HDD
Network Interface	6 x 10/100/1000Mbps Ethernet
SSD	1 x SD slot
I/O Interface	1 x RS-232 (RJ type connector), 2 x USB connector, 6 x RJ-45 connector, 1 x DC-in power jack
USB	2 x USB 2.0 port on front side
Expansion Slot	2 x PCIe Mini Card (optional)
Other Features	LAN bypass & PoE for optional
Power Supply	40W power adaptor
OS Compatibility	Linux base (kernel version depends on BSP)
Mechanical/ Environmental	
Form Factor	1U desktop
LED	Power, HDD, Link/Act with transfer rate
Operating Temp.	0°C ~ +40°C (32°F ~ 104°F)
Storage Temp.	-20°C ~ +70°C (-4°F ~ +158°F)
Humidity	10% ~ 95% RH, non-condensing
Chassis Material	Steel
Dimensions	44 mm (1.73") (H) x 231.9 mm (9.012") (W) x 152 mm (5.98") (D)
Weight (net/gross)	2.2 kg (4.85 lb)/2.46 kg (5.42 lb)
Certification	FCC class B/CE class B

Ordering Information

Standard	
NA-150-D6GM-US (P/N:E26E150100)	Fanless network appliance with Marvell ARMADA 370 and 6 GbE LAN ports
Optional	
916E552000E	DB9F- RJ45 1.8M CONSOLE CABLE FOR CISCO
E292213100	AX92213 WPER-116GN 802.11 b/g/n module

* Specifications and certifications are based on options and may vary.

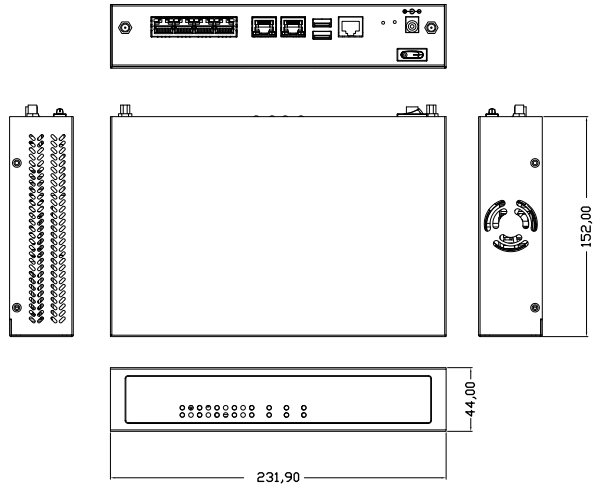
** Recommend ordering optional cable kit with first order.

Packing List

1 x power cord

1 x 40W adaptor

Dimensions



NA-320FL

Fanless Desktop Network Appliance Platform with Intel® Atom™ Processor D510 and 6 LANs

▲ Front view

▲ Rear view

Introduction

The NA-320FL is a compact fanless network hardware platform for VPN, Firewall, UTM and other network applications. It supports low power Intel® Atom™ processor D510 1.66 GHz with Intel® ICH8M PCH and features a 1U desktop form factor. The system supports up to a maximum of 2 GB of DDR2-667 memory. In addition, the NA-320FL features one internal 2.5" HDD for storing event log and a Mini card for wireless card installation. The NA-320FL supports LAN bypass function through WDT and GPIO pin definitions to prevent sudden shutdown.

Specifications

System	
CPU	Intel® Atom™ processor D510 1.66 GHz with 1M/512K L2 cache
Chipset	Intel® ICH8M
Memory	1 x DDR2-667 (single channel) SO-DIMM max. up to 2 GB (unbuffered non-ECC) (wide temperature support is available upon request)
BIOS	AMI 16Mbit PnP Flash BIOS with function of BIOS redirected to COM port
HDD Interface	1 x 2.5" SATA HDD (wide temperature support is available upon request)
Network Interface	6 x 10/100/1000Mbps Ethernet (Intel® 82583V (default), Intel® 82574L (optional))
SSD	1 x CompactFlash™ type II (wide temperature support is available upon request)
I/O Interface	1 x RS-232 (RJ-type connector), 2 x USB connector, 6 x RJ-45 connector, 1 x DC-in power jack
Watchdog Timer	255 stepping for porting
USB	2 x USB 2.0 port on rear side
Expansion Slot	PCIe Mini Card (USB transaction bus)
Other Features (optional)	LAN bypass function through WDT and GPIO pin control (one group)
Power Supply	1 x 12V, 5A power adapter
OS Compatibility	Linux Redhat Kernel 2.6
Mechanical/ Environmental	
Form Factor	1U desktop
LED	Power, HDD, Link/Act with transfer rate, LAN bypass (optional), GPIO programmable (optional)
Operating Temp.	0°C ~ +40°C (32°F ~ 104°F)
Storage Temp.	-20°C ~ +70°C (-4°F ~ +158°F)
Humidity	10% ~ 90% RH, non-condensing
Chassis Material	Steel
Dimensions	44 mm (1.73") (H) x 230 mm (9.00") (W) x 153.5 mm (6.04") (D)
Weight (net/gross)	2.5 kg (5.51 lb)/2.9 kg (6.39 lb)
Certification	FCC class B/CE class B

Ordering Information

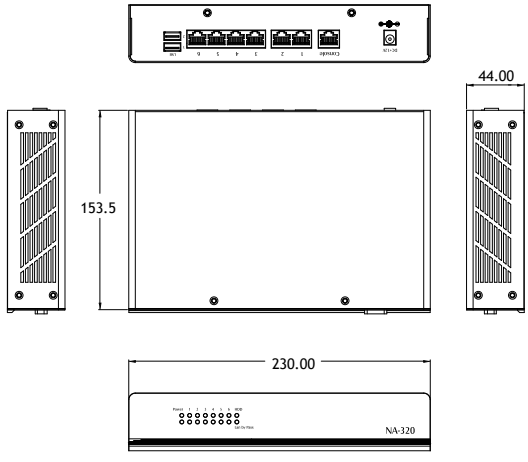
Standard	
NA-320FL-D6GI-1.66G (P/N: E26E320104)	Compact fanless network appliance with Intel® Atom™ processor D510 1.66 GHz and 6 GbE LAN ports (Intel® 82583V)
Optional	
CK9A104	Cable kit (P/N: 8816E320010E)
59416112100E	Cable DB9 (M) - RJ-45, L: 1.5M straight cable

* Specifications and certifications are based on options and may vary.
** Recommend ordering optional cable kit with first order.

Packing List

- 1 x DC power adapter 12V/5A
- 1 x SATA Cable
- 1 x utility CD (user's manual and driver)
- 1 x RJ-45 to DB9 (F) 1.8M console cable (RC) cross cable

Dimensions



NA-340FL

Fanless Desktop Network Appliance Platform with Intel® Atom™ Processor D525 and 6 LANs

▲ Front view

▲ Rear view

Introduction

The 1U-type fanless NA-340FL is designed to supports the low-power Intel® Atom™ processor D525 dual core at 1.8 GHz with Intel® ICH8M chipset for SOHO markets. Six Gigabit Ethernet ports are integrated into this unit with one pair supporting LAN bypass function. In addition, this fanless industrial grade network appliance supports DDR3 SO-DIMM memory up to 4GB and features a 2.5" SATA HDD and mainstream CFast™ socket for event log storage. A PCI Express Mini card (USB-type) is available for WiFi card installation. Measuring 44mm in height and weighing 2.5kg, the NA-340FL is very compact and easily fits into any confined space and harsh environment. This entry-level network appliance platform is an excellent choice for applications in VPN, content filtering, UTM, network security gateway, firewall and much more.

Specifications

System	
CPU	Intel® Atom™ processor D525 1.86 GHz with 1M L2 cache
Chipset	Intel® ICH8M PCH chipset
Memory	1 x DDR3-800 (single channel) SO-DIMM max. up to 4 GB (unbuffered non-ECC) (wide temp. support is available upon request.)
BIOS	AMI PnP Flash BIOS with function of BIOS redirected to COM port
HDD Interface	1 x 2.5" SATA HDD (wide temp. support is available upon request.)
Network Interface	6 x 10/100/1000Mbps Ethernet (Intel® 82583V (default), Intel® 82574L (optional))
SSD	1 x CFast™ (wide temp. support is available upon request.)
I/O Interface	1 x RS-232 (RJ-type connector), 2 x USB connector, 6 x RJ-45 connector, 1 x DC-in power jack (power din as option)
Watchdog Timer	255 stepping for system reset & stepping for LAN bypass
USB	2 x USB 2.0 port on rear side
Expansion Slot	PCIe Mini Card (USB transaction bus)
Other Features	LAN bypass function through latch relay (one group)
Power Supply	1 x 12V, 5A power adapter
OS Compatibility	Linux Redhat Kernel 2.6
Mechanical/ Environmental	
Form Factor	1U desktop
LED	Power, HDD, Link/Act with transfer rate, LAN bypass (optional), GPIO programmable
Operating Temp.	0°C ~ +40°C (32°F ~ 104°F)
Storage Temp.	-20°C ~ +70°C (-4°F ~ +158°F)
Humidity	10% ~ 90% RH, non-condensing
Chassis Material	Steel
Dimensions	44 mm (1.73") (H) x 230 mm (9.00") (W) x 152.8 mm (6.01") (D)
Weight (net/gross)	2.5 kg (5.51 lb)/2.9 kg (6.39 lb)
Certification	FCC class B/CE class B

Ordering Information

Standard	
NA-340FL-D6GI-1.8G (P/N: E26E340103)	Compact fanless network appliance with Intel® Atom™ processor D525 1.8 GHz and 6 GbE LAN ports (Intel® 82583V)
Optional	
CK9A104	Cable kit (P/N: 8816E320010E)
59416112100E	Cable DB9 (M) - RJ-45, L: 1.5M straight cable

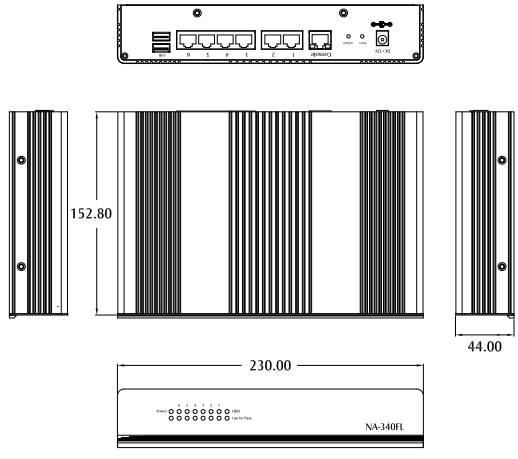
* Specifications and certifications are based on options and may vary.

** Recommend ordering optional cable kit with first order.

Packing List

- 1 x DC power adapter 12V/5A
- 1 x SATA cable
- 1 x utility CD (user's manual and driver)
- 1 x RJ-45 to DB9 (F) 1.8M

Dimensions



NA341

Fanless Slim-type Network Appliance Platform with Intel® Atom™ N2600 1.6 GHz Processor and 4 LANs

TAIWAN EXCELLENCE 2014

▲ Front view

▲ Rear view

Introduction

The NA341 supports low-power Intel® Atom™ processor N2600 dual core 1.6 GHz with the Intel® NM10 chipset. Four Gigabit Ethernet ports are integrated into this unit with one pair LAN bypass function. It comes with a high bandwidth DDR3 SO-DIMM slot with memory maximum up to 2 GB and features one CompactFlash™ socket for storing event log; one Mini PCIe slot and two rotational WLAN antennas are available for wireless/3G/LTE network connection. It is very slim and light can be easily to fit any space-limited environment. The NA341 is an excellent choice for VPN, content filtering, UTM, network security gateway, and firewall.

▲ Green color (optional)　▲ Red color (optional)　▲ Yellow color (optional)

Specifications

System	
CPU	Intel® Atom™ N2600 1.6 GHz
Chipset	Intel® NM10
Memory	1 x DDR3-800/1066 DIMM max. up to 2 GB (unbuffered)
BIOS	AMI 16Mbits PnP Flash with function of BIOS redirected to COM port
HDD Interface	N/A
Network Interface	4 x 10/100/1000Mbps Ethernet (Intel® i210AT)
SSD	1 x Compact Flash™ type-II 1x CFast™ (optional)
I/O Interface	1 x console RJ-type connector, 2 x USB connector, 4 x RJ-45 connector, 1 x VGA connector
Watchdog Timer	255 stepping for system reset 8 stepping for LAN bypass
USB	2 x USB 2.0 port on front side
Expansion Slot	1 x Mini PCIe slot
Other Features	LAN bypass function through latch relay
Power Supply	12V/5A
OS Compatibility	Linux Redhat Kernel 2.6
Mechanical/ Environmental	
Form Factor	Compact
LED	Power, LAN, LAN bypass, GPIO
Operating Temp.	0°C ~ +40°C (32°F ~ 104°F)
Storage Temp.	-20°C ~ +70°C (-4°F ~ +158°F)
Humidity	10% ~ 90% RH, non-condensing
Chassis Material	Steel
Dimensions	30 mm (1.18") (H) x 152 mm (5.98") (W) x 110mm (4.33") (D)
Weight (net/gross)	1.5 kg (3.31lb)/ 2.5 kg (5.51lb)
Certification	FCC class B / CE class B

Ordering Information

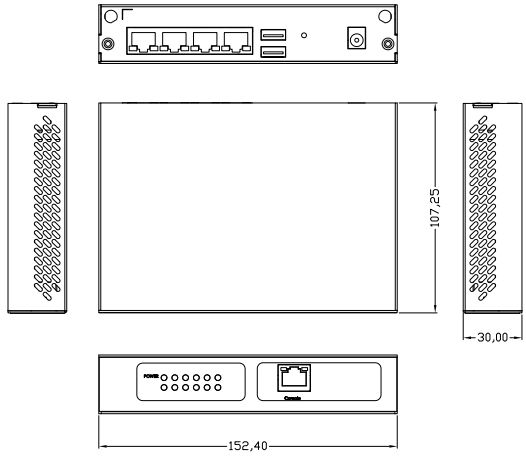
Standard	
NA341-D4GI-CF-US (P/N: E26E341100)	Slim fanless network appliance with Intel® Atom™ processor N2600 1.6 GHz and 4 GbE LAN ports, Compact Flash™
NA341-D4GI-FS-US (P/N:E26E341101)	Slim fanless network appliance with Intel® Atom™ processor N2600 1.6 GHz and 4 GbE LAN ports ,CFast™
Optional	
594E3412000E	VGA cable DB15P+16P Wafer

* Specifications and certifications are based on options and may vary.
** Recommend ordering optional cable kit with first order.

Packing List

1 x power cord
1 x utility CD (user's manual and driver)

Dimensions



* All specifications and photos are subject to change without notice.

NA-320

Desktop Network Appliance Platform with Intel® Atom™ Processor D510 and 6 LANs

▲ Front view

▲ Rear view

Introduction

The NA-320 is a compact desktop network appliance platform with six Gigabit LAN ports designed for VPN, firewall, UTM, network bandwidth controller, and network management applications. The NA-320 supports the low-voltage Intel® Atom™ processors D510 /D410 1.66GHz with Intel® ICH8M PCH chipset. The device supports a high bandwidth DDR2 SODIMM slot with memory up to 2GB. In order to provide the best network performance, the NA-320 utilizes one 2.5" SATA HDD and CompactFlash™. Six Gigabit LAN ports with bypass provide high throughput and availability. Additionally, one PCI Express Mini card (USB-type) is available for WiFi wireless card installation. The NA-320 comes in a small package with a height of just 44mm and a weight of 2.5 kg, which can easily fit into any space-limited and harsh environments.

Specifications

System	
CPU	Intel® Atom™ processor D510 1.66 GHz with 1M L2 cache
Chipset	Intel® ICH8M
Memory	1 x DDR2-667 (single channel) SO-DIMM max. up to 2 GB (unbuffered non-ECC)
BIOS	AMI 16Mbit PnP Flash BIOS with function of BIOS redirected to COM port
HDD Interface	1 x 2.5" SATA HDD
Network Interface	6 x 10/100/1000Mbps Ethernet (Intel® 82583V (default), Intel® 82574L (optional))
SSD	1 x CompactFlash™ type II
I/O Interface	1 x RS-232 (RJ-type connector), 2 x USB connector, 6 x RJ-45 connector, 1 x DC-in power jack
Watchdog Timer	255 stepping for porting
USB	2 x USB 2.0 port on rear side
Expansion Slot	PCIe Mini Card (USB transaction bus)
Other Features (optional)	LAN bypass function through WDT and GPIO pin control (one group)
Power Supply	1 x 12V, 5A power adapter
OS Compatibility	Linux Redhat Kernel 2.6
Mechanical/ Environmental	
Form Factor	1U desktop
LED	Power, HDD, Link/Act with transfer rate, LAN bypass (optional), GPIO programmable (optional)
Operating Temp.	0°C ~ +40°C (32°F ~ 104°F)
Storage Temp.	-20°C ~ +70°C (-4°F ~ +158°F)
Humidity	10% ~ 90% RH, non-condensing
Chassis Material	Steel
Dimensions	44 mm (1.73") (H) x 230 mm (9.00") (W) x 153.5 mm (6.04") (D)
Weight (net/gross)	2.5 kg (5.51 lb)/2.9 kg (6.39 lb)
Certification	FCC class B/CE class B

Ordering Information

Standard	
NA-320-D6GI-1.6G (P/N: E26E320102)	Compact network appliance with Intel® Atom™ processor D510 1.66 GHz and 6 GbE LAN ports (Intel® 82583V)
Optional	
CK9A104	Cable kit (P/N: 8816E320010E)
59416112100E	Cable DB9 (M) - RJ-45, L: 1.5M straight cable

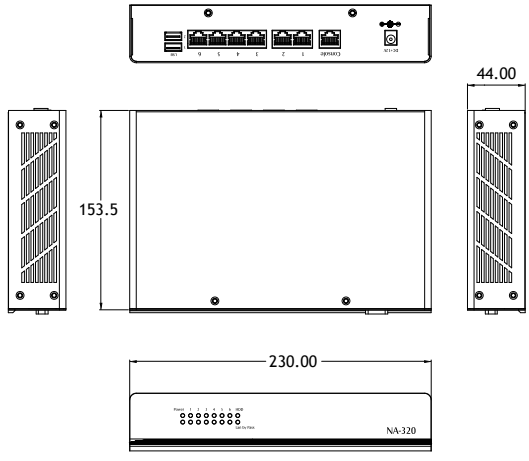
* Specifications and certifications are based on options and may vary.

** Recommend ordering optional cable kit with first order.

Packing List

- 1 x DC power adapter 12V/5A
- 1 x SATA Cable
- 1 x utility CD (user's manual and driver)
- 1 x RJ-45 to DB9 (F) 1.8M console cable (RC) cross cable

Dimensions



NA-340

Desktop Network Appliance Platform with Intel® Atom™ Processor D525 and 6 LANs

▲ Front view

▲ Rear view

Introduction

The compact, low power NA-340 is a 1U-type network appliance with six Gigabit LANs utilizing the dual core Intel® Atom™ processor D525 at 1.8 GHz with the Intel® ICH8M PCH chipset. The NA-340 comes in a small package with a height of just 44mm (1.73in) and a weight of 2.5kg (5.5lbs), which can easily fit into any confined spaces and harsh environments. This low-power unit supports a high bandwidth DDR3 SO-DIMM slot with memory up to 4 GB. In addition, it features a 2.5" SATA HDD and mainstream CFast™ for storing event log. To help with unexpected shutdowns, the NA-340 supports a LAN bypass function through WDT and GPIO pin definitions. One PCI Express Mini Card (USB-type) is available for WiFi card installation.

Specifications

System	
CPU	Intel® Atom™ processor D525 1.8 GHz with 1M L2 cache
Chipset	Intel® ICH8M
Memory	1 x DDR3-800 (single channel) SO-DIMM max. up to 4 GB (unbuffered non-ECC)
BIOS	AMI PnP Flash BIOS with function of BIOS redirected to COM port
HDD Interface	1 x 2.5" SATA HDD
Network Interface	6 x 10/100/1000Mbps Ethernet (Intel® 82583V (default), Intel® 82574L (optional))
SSD	1 x CFast™
I/O Interface	1 x RS-232 (RJ-type connector), 2 x USB connector, 6 x RJ-45 connector, 1 x DC-in power jack (power din as option)
Watchdog Timer	255 stepping for system reset 8 stepping for LAN bypass
USB	2 x USB 2.0 port on rear side
Expansion Slot	PCIe Mini Card (USB transaction bus)
Other Features (optional)	LAN bypass function through latch relay (one group)
Power Supply	1 x 12V, 5A power adapter
OS Compatibility	Linux Redhat Kernel 2.6
Mechanical/ Environmental	
Form Factor	1U desktop
LED	Power, HDD, Link/Act with transfer rate, LAN bypass (optional), GPIO programmable (optional)
Operating Temp.	0°C ~ +40°C (32°F ~ 104°F)
Storage Temp.	-20°C ~ +70°C (-4°F ~ +158°F)
Humidity	10% ~ 90% RH, non-condensing
Chassis Material	Steel
Dimensions	44 mm (1.73") (H) x 230 mm (9.00") (W) x 152.1 mm (5.98") (D)
Weight (net/gross)	2.5 kg (5.5 lb)/2.9 kg (6.39 lb)
Certification	FCC class B/CE class B

Ordering Information

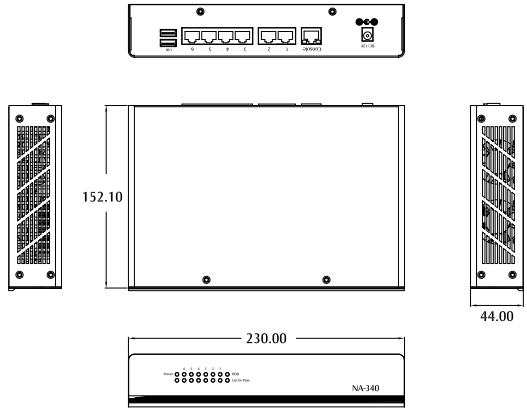
Standard	
NA-340-D6GI-D525-RC w/ LAN bypass (P/N: E26E340100)	Compact network appliance with Intel® Atom™ processor D525 1.8 GHz, 6 GbE LAN ports (Intel® 82583V) and LAN bypass
NA-340-D6GI-D525-RC w/o LAN bypass (P/N: E26E340101)	Compact network appliance with Intel® Atom™ processor D525 1.8 GHz, 6 GbE LAN ports (Intel® 82583V) and w/o LAN bypass
Optional	
CK9A104	Cable kit (P/N: 8816E320010E)
59416112100E	Cable DB9 (M) - RJ-45, L: 1.5M straight cable

* Specifications and certifications are based on options and may vary.
** Recommend ordering optional cable kit with first order.

Packing List

- 1 x DC power adapter 12V/5A
- 1 x SATA cable
- 1 x utility CD (user's manual and driver)
- 1 x RJ-45 to DB9 (F) 1.8M

Dimensions



NA342

Desktop Network Appliance Platform with Intel® Celeron® Processor J1900 Processor and 4 LANs

▲ Front view

▲ Rear view

Introduction

The NA342 is designed to support the newest system-on-a-chip 22nm Intel® Celeron® J1900 quad-core processor. The desktop network appliance aims to provide SOHO customers an energy and cost effective network appliance for solutions in VPN, content filtering, UTM, network security gateway, and firewall. Four Gigabit Ethernet ports with the Intel® i211 controller are integrated into this unit with one pair LAN bypass function. The network communication system supports one DDR3L SO-DIMM with memory maximum up to 8 GB. It also offers powerful storage interfaces featuring one 2.5" SATA HDD and one CompactFlash™ socket. In addition, it features a PCI Express Mini Card for wireless/3G/LTE network connection.

Specifications

System	
CPU	Intel® Celeron® J1900 processor (Bay Trail) Intel® Atom™ E3825 processor (optional)
Chipset	SoC Integrated
Memory	1 x DDR3L SO-DIMM socket max up to 8 GB non-buffer
BIOS	AMI 16Mbits PnP Flash with function of BIOS redirected to COM port
HDD Interface	1 x 2.5" SATA HDD
Network Interface	4 x 10/100/1000Mbps Ethernet (Intel® i211, 6 ports for project base)
SSD	1 x CompactFlash™ type-II
Watchdog Timer	Up to 8 stepping for porting
I/O Interface	1 x console RJ-type connector, 2 x USB connector, 4 x RJ-45 connector
USB	1 x USB 2.0 & 1x USB 3.0 port on front side
Expansion Slot	PCIe Mini Card (USB transaction bus)
Other Features (Optional)	LAN bypass function through latch relay (one group)
Power Supply	12V/5A
OS Compatibility	Linux Redhat Kernel 2.6
Mechanical/ Environmental	
Form Factor	1U desktop
LED	Power, HDD, Link/Act with transfer rate, LAN bypass (optional), GPIO programmable
Operating Temp.	0°C ~ +40°C (32°F ~ 104°F)
Storage Temp.	-20°C ~ +70°C (-4°F ~ +185°F)
Humidity	10% ~ 90% RH, non-condensing
Chassis Material	Steel
Dimensions	44 mm (1.73") (H) x 231.9 mm (9.00") (W) x 152 mm (5.98") (D)
Weight (net/gross)	2.5 kg (5.51 lb)/2.9 kg (6.39 lb)
Certification	FCC class B / CE class B

Ordering Information

Standard	
NA342-D4GI-US (PN: E26E342103)	Desktop network appliance with Intel® Celeron® J1900 processor and 4 GbE LAN ports
Optional	
5916E552000E	DB9F- RJ-45 1.8M Console cable For Cisco

* Specifications and certifications are based on options and may vary.

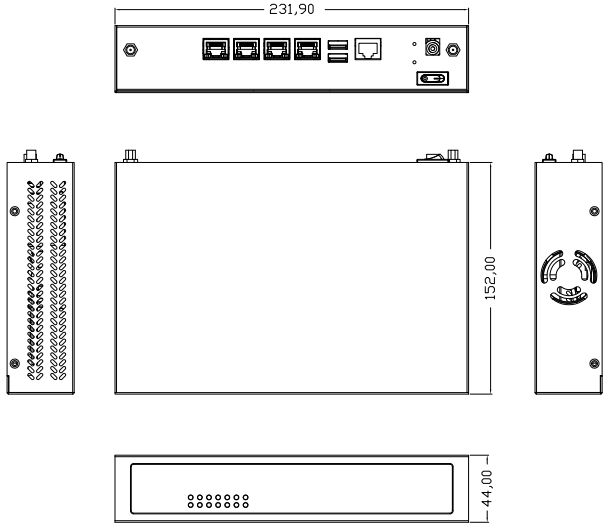
** Recommend ordering optional cable kit with first order.

Packing List

1 x power cord

1x utility CD (user's manual and driver)

Dimensions



NA361

Compact Network Appliance Platform with Intel® Atom™ Rangeley Processor and 6 LANs

▲ Front view

▲ Rear view

Introduction

The NA361 supports the new Intel® Atom™ dual-core processor C2358 (1M Cache, 1.70 GHz). Customers using the new compact network appliance also benefit from Intel® QuickAssist Technology hardware acceleration engine. The system supports maximum up to 16 GB of DDR3 1600MHz UDIMM non-ECC memory or ECC memory, and features one 2.5" SATA HDD for storage. Six Gigabit Ethernet ports using Intel® i347 and i210 chipsets are integrated into this unit with two-pair LAN bypass function; one PCI Express Mini Card interface is available for wireless network connection. The durable network appliance platform is an excellent choice for VPN, content filtering, UTM, network security gateway, and firewall in SOHO segment.

Specifications

System	
CPU	Intel® Atom™ processor C2358 1.7 GHz
Chipset	SoC Integrated
Memory	2 x DDR3-1600MHz UDIMM socket max. up to 16 GB unbuffered non-ECC/ECC memory
BIOS	AMI 64Mbits PnP Flash with function of BIOS redirected to COM port
HDD Interface	1 x 2.5" SATA HDD or mSATA for optional
Network Interface	6 x 10/100/1000Mbps Ethernet (i354 & i210) 4RJ+2SFP for optional 2 pairs LAN bypass (optional)
SSD	1 x Compact Flash™ type-II 1 x CFast™ (optional)
I/O Interface	1 x RS-232 (RJ-type), 2 x USB connector, 6 x RJ-45 connector
Watchdog Timer	255 stepping for system reset 8 stepping for LAN bypass
USB	2 x USB 2.0 port on rear side
Expansion Slot	1 x PCIe Mini Card (USB interface)
Other Features	LAN bypass function through latch relay (two groups)
Power Supply	1 x 12V, 5A power adaptor
OS Compatibility	Yocto OS
Mechanical/ Environmental	
Form Factor	1U desktop
LED	Power, HDD, Link/Act with transfer rate
Operating Temp.	0°C ~ +40°C (32°F ~ 104°F)
Storage Temp.	-20°C ~ +70°C (-4°F ~ +158°F)
Humidity	10% ~ 90% RH, non-condensing
Chassis Material	Steel
Dimensions	44 mm (1.73") (H) x 231 mm (9.09") (W) x 197 mm (7.76")
Weight (net/gross)	2.35 kg (5.18 lb)/2.61 kg (5.75 lb)
Certification	FCC class B/CE class B

Ordering Information

Standard	
NA361-D6GI-CF-US (P/N: E26E361100)	Compact network security appliance with Intel® Atom™ processor C2358 and up to 6 GbE LAN ports

* Specifications and certifications are based on options and may vary.

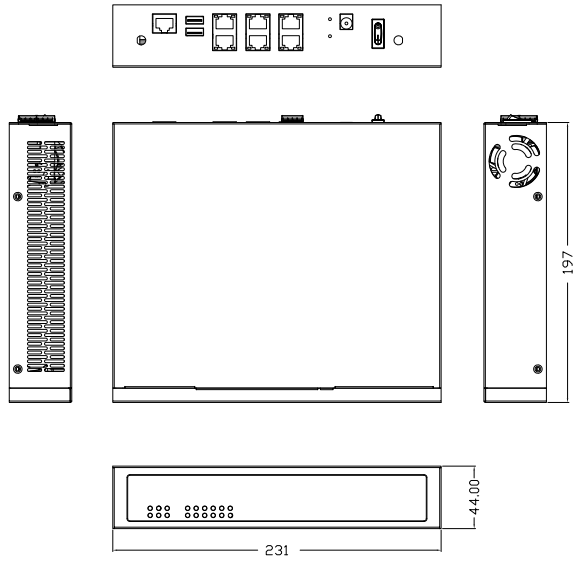
** Recommend ordering optional cable kit with first order.

Packing List

1 x DC power adaptor 12V/5A

1 x SATA cable

Dimensions



LAN Modules

Wide Module	Ports	Ethernet Controller	LAN Bypass	NA550	NA551
GbE Copper Modules					
AX93306-4GI	4	Intel® 82580DB	0	√	√
AX93306-4GIL	4	Intel® 82580DB	2	√	√
AX93306-8GI	8	Intel® 82580DB	0	√	√
AX93306-8GIL	8	Intel® 82580DB	2	√	√
GbE Fiber Modules					
AX93306-4FI	4	Intel® 82580DB	0	√	√
AX93312-8FI	8	Intel® 82580DB	0	√	√
GbE Mix Modules					
AX93306-8MI	8	Intel® 82580DB	0	√	√
AX93306-8MIL	8	Intel® 82580DB	2	√	√

Slim Module	Ports	Ethernet Controller	LAN Bypass	NA552	NA570	NA361R	NA360	NA850
GbE Copper Modules								
AX93316-8GI	8	Intel® 82580EB	0	√	√	√	√	√
AX93316-8GIL	8	Intel® 82580EB	4	√	√	√	√	√
AX93326-8GIL	8	Intel® i210	4			√	√	√
AX93336-4GIL	4	Intel® i350	2	√	√	√	√	√
AX93336-4GI	4	Intel® i211	0	√	√	√	√	√
GbE Fiber Modules								
AX93322-8FI	8	Intel® 82580EB	0	√	√	√	√	√
AX93336-4FI	4	Intel® i350	0	√	√	√	√	√
GbE Mix Modules								
AX93322-8MIL	8	Intel® 82580EB	2	√	√	√	√	√
10GbE Copper Modules								
AX93317-2GIL	2	Intel® X540	1	√	√	√	√	√
10GbE Fiber Modules								
AX93307-2FI	2	Intel® 82599ES	0	√	√	√	√	√
AX93307-2FIL	2	Intel® 82599ES	1	√	√	√	√	√
AX93327-4FI	4	XL710	0	√	√	√	√	√

PCI Express PoE Interface Cards

Model	Ports	Ethernet Controller	Interface	NA570	NA360	NA361R	NA550	NA850
NEW AX93330-POE4	4	Intel® i210IT	PCIe x4	√	√	√	√	√
NEW AX93330-POE2	2	Intel® i210IT	PCIe x4	√	√	√	√	√

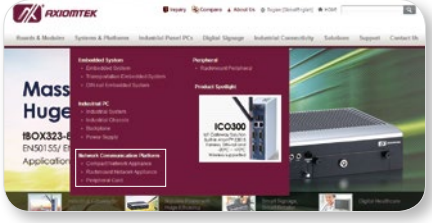
Network Security Card

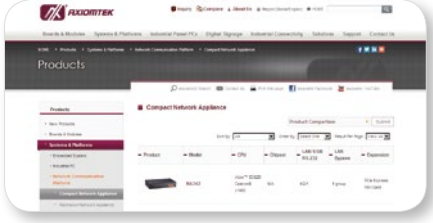
The NAE9K580/581 is a high performance VPN acceleration NIC module with Intell® 8925/8950 chipset (called Coleto Creek). The 89XX chipset provides hardware-based acceleration technology (Intel® QuickAssist Technology) in off-loading crypto/decrypto and compression up to 25 to 50 Gbps. It's ideal for high-end security appliances, such as network optimization appliance, VPN, UTM and NGFW(Next Generation Firewall).

NEW NAE9K580	892x (Coleto Creek)	895x (Coleto Creek)
Intell® QuickAssist Technology Capability (Gbps)	25G	50G
IPSec (Gbps)	25G	43G
SSL (Gbps)	25G	49G
Compression (Gbps)	12G	20G
Kasumi/Snow3G (Gbps)		30G
RSA Decrypt 1k-bit key (ops/sec)	100K	165K
RSA Decrypt 2k-bit key (ops/sec)	20K	35K
Thermal Design Power (Watt)	17W	20W
PCI Express Gen 2.0 Endpoint	x16	x16

* Available Models: NA360, NA361R, NA552, NA570, NA850

www.axiomtek.com/NA





www.axiomtek.com

Axiomtek's global website is designed with multi-language support to provide visitors with rich, valuable, interactive information. Through our global website you can get the latest information on all Axiomtek products and services. You can also access a wide variety of resources such as solutions, up-to-date news, publications, and online technical downloads.

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